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Lancaster Farming

VOL. 18 No. 6 | Lancaster Farming, Saturday, December 30, 1972 | $2.00 Per Year

Arthur, left, and Alfred Reist shared top honors at the 4-H Tobacco Roundup held Thursday at the Farm and Home Center. It was their fourth year for winning top prizes at the show.

Boyd, Reist Twins Take Show Honors

"Considering the year we had, we've seen some pretty good hands of tobacco today," declared John Yokum, the judge for Thursday's 4-H Tobacco Roundup at the Farm and Home Center.

Yokum is an agronomist, and manager of the Penn State Southeast Field Research Farm near Landisville. He noted that while the quality of the tobacco was good, it wasn't really the classical top cigar tobacco for which the county is known.

Alfred and Arthur Reist, twin sons of Mr. and Mrs. Arthur L. Reist, 1050 Eden Road, exhibited the top tobacco at the show. Alfred had the champion wrapper exhibit and Arthur the winning fillers.

They also captured both reserve championships. Third place in wrapper went to Edward

(Continued On Page 3)

FHA, REAP Funds Cut

State offices of the Agricultural Stabilization and Conservation Service were informed Tuesday that the federal government's Rural Environmental Assistance Program (REAP) has been suspended.

Lancaster County had already been allocated $104,000 for the 1973 program that would have paid up to 80 per cent of the cost for construction of terraces and sod waterways on area farms.

In 1972, about 250 Lancaster County farmers spent close to $150,000 on REAP - funded conservation practices.

The terminated program also made partial payment toward the cost of animal waste storage facilities and numerous other water control and erosion control measures, in addition to wildlife habitat programs.

In addition to the REAP program, the administration gave the axe to the year-old Water Bank Program that was intended to help preserve migratory waterfowl areas.

"These two programs are among those selected after a review of federal programs to identify those of low priority that can be reduced or eliminated without serious economic consequences," a Dept. of Agriculture spokesman said.

Officials said Tuesday that payments under the two programs are no longer necessary because farmers can afford to do the work themselves.

In another cost-cutting move the administration on Wednesday ordered the Farmers Home Administration to quit making emergency loans to farmers in disaster areas where storms and other bad weather have inflicted severe losses to crops, livestock and other property.

The unexpected order, disclosed by the Agriculture Department, virtually rules out chances of new loan relief to farmers who have lost crops during severe harvest weather this fall

"This action was taken to counteract inflationary presures and to adhere to a $250 billion budget," said the department's brief announcement The $250 billion level is the federal spending ceiling Nixon is striving to enforce.

The administration has been alarmed at recent sharp increases in emergency loans made by FHA, estimated by some budget sources at a potential backlog of between $200 million and $600 million for the fiscal year ending June 30.

Denlinger Heads State Bureau of Animal Industry

Secretary of Agriculture Jim McHale announced last week the appointment of Dr. Everett Denlinger as director of the Bureau of Animal Industry. The bureau is responsible for the prevention, control and eradication of transmissible diseases of domestic animals and poultry within the Commonwealth.

Denlinger joined the department in May, 1969, as supervisor of Meat Hygiene at the Region VI headquarters, Middletown, and has since served in a number of special assignments within the bureau.

The 57-year-old Lancaster County native assumed the duties of the $20,629 post, effective December 13.

Born at Kinzer, Dr. Denlinger did his undergraduate work at Franklin & Marshall and received his doctorate in veterinary medicine from the University of Pennsylvania. He maintained a private large animal practice at Paradise for 20 years before joining the Department of Agriculture.

Dr. Denlinger lives with his wife at R.D. 1, Ronks. They have one daughter and five grandchildren.

Bred Heifers Wanted

Qualified heifers are being sought by the Pennsylvania Holstein-Fresian Association for shipment to Spain. Do you have a bred, Registered heifer that would be good foundation stock for a new herd?

The heifers must weigh at least 1,000 pounds and must pass the inspection of the Holstein-Fresian Association of America and the Spain buyer. She must have been bred at least three months and not more than seven months as of shipment date (February 1 from Richmond, Virginia). The service sire must be a Registered Holstein bull.

Two different groups of heifers are being considered: group A, the dam and grand-dam must have completed one complete lactation of 305 days or less of 11,000 pounds of milk with a 3.5 per cent or better test in the same lactation; group B, no production records are necessary on the dam or maternal grand-dam, thus using some heifers from the dairyman who is not on official DHI test. A Registered Holstein sire is required.

If you have an animal you think would qualify for this shipment, contact one of the following by Wednesday, January 3, 1973: Jay Landis, 872-8818, or Nathan Stoltzfus, 442-4291.

Farming Highlights - 1972

The year 1972 was a rough one for many farmers locally and across the nation. Farming this year wasn't as good as it should have been, but probably wasn't as bad as it could have been, either.

Through it all, the good and the bad, LANCASTER FARMING was there. Our pages recorded most of the important things that happened this year in the farming community. Here are some of the highlights from that year.

January

Rosters of winners at the 1972 Pennsylvania Farm Show contained many names familiar to local readers. Donnie Dorwart, then a sophomore at Solanco High School, had the grand champion 4-H steer. The York County partnership of Kenneth McCleary and John Strawbridge swept grand and reserve champion hog honors for their entries in both the Hampshire and Yorkshire competitions. Roger Frey, Conestoga R2, and

Photo Highlights
P. 14-15

Roy Rohrer, Strasburg R1, split top tobacco honors. The Herrs from Narvon excelled as usual in sheep competition. Plain and Fancy Egg Ranch, Elizabethtown, had the best dozen eggs in the carton class, as well as the best five dozen eggs in the commercial class.

P. Robert Wenger, Quarryville R1, was the recipient of the Quarryville Jaycee's Outstanding Young Farmer Award.

February

Max Smith, Lancaster County agricultural agent, was honored for his 35 years of service to the local farm community. He was guest of honor at the annual 4-H Baby Beef and Lamb Club Banquet at the Farm and Home Center.

Elam Bollinger was elected president of the Lancaster County Holstein Breeders Association.

Fred Crider was named president of the Lancaster County Guernsey Breeders Association.

The Lancaster Livestock Exchange bought the 22.9 acre Union Stock Yards from the Penn Central Railroad. The price was over $800,000.

March

Robert L. Kauffman Jr., Peach Bottom R2, was elected president of the Lancaster County DHIA. Nathan Stoltzfus, Gap R1, was elected vice-president, while Henry E. Kettering, Lititz R3, was named secretary.

Lancaster County 4-H'ers raised $750 toward retiring the mortgage on the new National 4-H Center Building in Washington, D.C.

A contingent of 10 members of the Lancaster County Farmers Association traveled to Washington to talk about farm problems with Congressman Ed Eshelman.

Lester Stehman, Manheim R2, was named 1972's Outstanding Cooperator by the Lancaster County Soil and Water Conservation District.

April

The annual Lancaster County Holstein Tour was held on April 11.

Fulton Grange adopted a resolution opposing the building of an atomic power plant in the Solanco school district.

The Lancaster County Soil and Water Conservation district held its annual FFA public speaking and 4-H conservation exhibits contests. Al Lutz Jr, Millport Road, Lancaster, won the exhibit competition, while Michael Martin, New Holland, won the speaking contest.

Hendrink Wentink, assistant to the president of Pennfield Corp., was elected vice-president of the Associated Poultry and Egg Industries.

The Cocalico Watershed Association was formed, and eight directors named. A waterjack dam on the Lititz Cocalico Creek was one of the first projects tackled by the new group.

(Continued On Page 29)

Local Livestock Market, Auction News

Lancaster Auction

Wednesday, December 27

	Cattle	Calves	Hogs	Sheep
Today	939	98	732	48
Last week	534	86	803	15
Last year	518	118	433	3
This weeks Auction	877	108	729	45
Last weeks Auction	453	88	786	37

CATTLE — Compared to last Wednesday, Slaughter Steers steady to weak, instances 50 lower; Cows strong to 50 higher; Bulls 50-1.00 lower

SLAUGHTER STEERS — High-Choice and Prime 1025-1375 lbs 38.75-39.60, one lot 1400 lbs. 37 75; Choice 950-1300 lbs. 37.35-39.50, Choice 1300-1455 lbs. 35.85-37.50; high-Good and low-Choice 35.75-37.75; Good 34.75-36.50; Standard and low-Good 32.35-35.10.

SLAUGHTER HEIFERS — Good 700-950 lbs. 33.35-35.60.

COWS — Utility and high-dressing Cutter 28.00-29.50; few 29.50-30.50; Cutter 26.25-28.00; Canner and low-Cutter 24.50-26.50

BULLS — Choice 36.00-38.00, few 38.85-39.10; Good 34.50-37.00; Utility and Commercial 33.75-36 75, couple 37.00-37.60.

VEAL CALVES — Compared to Tuesday, Vealers 1.00-2.00 higher.

VEALERS — Prime 67.50-71.00; Choice 60.00-65.00; Good 55.50-60 00.

SHEEP — Small supply Wooled Lambs 1.00-2.00 higher.

WOOLED LAMBS — Choice 100-105 lbs. 32.00-34.00, one lot Good 66 lbs. 33.50.

New Holland Dairy Cattle

Wednesday, December 27

No market report available.

Green Dragon

Friday, December 22

51 loads hay, including: Alfalfa, 78.00 - 90.00, one load at 97 00; Timothy, 38.00 - 57.00; Mixed hay, 47.00 - 60.00, few 76.00; one load Clover, 80.00; load Grass hay, 46.00

22 loads straw, 38.00 - 48.00.

Load corn, 55.00

New Holland Horse Auction

Monday, December 25

No sale due to Christmas holiday

Lancaster Market

Tuesday, December 26

	Cattle	Calves	Hogs	Sheep
Today	63	35	1381	269
Last week	103	13	40	22
Last year	47	16	3	0

CATTLE — Insufficient volume at any one class for a market test.

VEAL CALVES — Small supply Vealers fully steady.

VEALERS — Prime 64.00-68.00; Choice 60.00-65.00; Good 55.00-60.00.

SHEEP — Wooled Lambs 50-1.00 higher; Ewes absent.

WOOLED LAMBS — Choice 70-95 lbs 31.00-32.50; Good 60-90 lbs. 25.00-31.00.

Omaha Cattle

Thursday, December 28

No Market Report due to day declared as National Day of Mourning.

New York Dressed Meats

Thursday, December 28

No Market Report due to day declared as National Day of Mourning.

Local Grain

Thursday, December 28

These prices are made up of the average prices quoted by five participating local feed and grain concerns. It should be noted, however, that not every dealer handles each commodity. All prices are per bushel, except for ear corn which is per ton.

The average local grain prices quoted Thursday, December 28, 1972 are as follows:

	Bid+	Offered+
Ear Corn	39.33	46.00
Shelled Corn	1.76	1.92
Oats, Local	.94	1.12
Oats, Western	1.27	1.38
Barley	1.35	1.51
Wheat	2.09	2.24

+Bid is the price the dealer will buy from the farmer delivered to the mill. Offered is the price the dealer will sell for at his mill.

Regional Hay Prices

Monday, December 26, 1972

(All hay No. 2 and better prices paid by dealers at the farm price per ton)

Hay and Straw Steady.

Alfalfa	50.00-70.00
Mixed hay	40.00-50.00
Timothy hay	30.00-40.00
Straw	28.00-35.00
Mulch	16.00-22.00

Composite Report

Weekly, December 29, 1972

Lancaster and Vintage Markets

	Cattle	Calves
This week	2000	850
Last week	2314	1483
Last year	2717	1283

CATTLE — This report will cover only Tuesday and Wednesday, with Monday being a Holiday and Thursday a National day of morning. Slaughter Steers closed the week steady with last week's close, although very uneven trends on the specific daily market; Cows steady with last week's close; Bulls steady to 1.00 lower. Supply included an estimated 25 percent Slaughter Steers, 25 percent Cows, with the balance mainly Bulls and Feeder Steers.

SLAUGHTER STEERS — High-Choice and Prime 1025-1375 lbs. 38.75-39.60; Choice 950-1250 lbs. 37.35-40.00, few 40.00-40.60; Choice 1250-1435 lbs. 35.85-39.00; high-Good and low-Choice 36.00-38.50; Good 34.75-37.50; Standard and low-Good 32.25-35.75.

SLAUGHTER HEIFERS — Good 700-950 lbs. 33.35-39.60.

COWS — Utility and high-dressing Cutter 28.00-30.50, few 30.75-31.25; Cutter 26.25-29.25; Canner and low-Cutter 24.50-26.50.

BULLS — Choice 37.50-40.60, several 41.00-41.35, with three head 41.75-42.50; Good 34.50-38.00; Utility and Commercial 33.75-39.00, few 39.00-40.10; Cutter and low-Utility 33.85-34.50.

VEAL CALVES — Vealers 1.00-3.00 higher; Good demand for Calves returned to farm.

VEALERS — Prime 67.50-72.00; Choice 64.00-69.00; Good 55.00-64.00; Standard 46.00-55.00; Utility 90-120 lbs. 39.00-46.00; 65-85 lbs. 36.50-39.50, one lot 59 lbs. 29.50.

RETURNED TO FARM — Bulk 100-120 lbs. Holstein Heifers 84.00-85.00, few 80-100 lbs. 64.00-75.00, bulk 100-120 lbs. Bull Calves 58.00-66.50; 80-100 lbs. 41.00-55.00.

Vintage Auction

Tuesday, December 26

	Cattle	Calves	Hogs	Sheep
Today	658	631	1228	20
Last Week	654	767	1234	6
Last Year	903	591	853	25

CATTLE—Compared to last Tuesday, Slaughter Steers 50-1.00 higher, instances 1.50 higher; Cows 1.00-1.25 higher; Bulls 1.00-2.00 higher, full advance on Choice. Supply included 33 percent Cows and 16 percent Bulls.

SLAUGHTER STEERS — Few Prime 1100-1425 lbs. 33.85-39.85; Choice 950-1250 lbs. 38.50-40.00, few 40.00-40.60; Choice 1250-1425 lbs. 38.00-39.50; high-Good and low-Choice 37.50-38.85; Good 35.50-38.50; Standard and low-Good 34.10-35.85.

COWS — Utility and high-dressing Cutter 28.75-30.50, few 30.75-31.25; Cutter 26.75-29.25; Canner and low-Cutter 24.75-26.50.

BULLS — Choice 38.50-40.60, several 41.00-41.35, three head 41.75-42.50; Good 35.00-38.50; Utility and Commercial 35.25-39.35, few 39.50-40.10; Cutter and low-Utility 32.85-35.10.

FEEDER STEERS — Around two loads Choice 950-1125 lbs. with Good to low-choice slaughter finish 37.00-38.75.

VEAL CALVES — Vealers uneven, Good to Prime 2.00-5.00 higher, Standard and Utility strong to 1.00 higher; Good demand for Calves returned to farm.

VEALERS — Prime 69.00-72.50; Choice 65.00-69.00; Good 55.00-64.00; Standard 46.00-55.00; Utility 90-120 lbs. 39.00-46.00, 65-85 lbs. 36.50-39.50; one lot 59. lbs. 29.50.

SLAUGHTER CALVES — Choice 340-400 lbs. 51.00-57.00; Good 350-470 lbs. 44.00-51.00, few Standard 39.00-43.00.

CALVES RETURNED TO FARM — Bulk 100-120 lbs. Holstein Heifers 84.00-85.00, few 80-120 lbs. 64.00-75.00; bulk 100-120 lbs. Bull Calves 58.00-66.50, 80-100 lbs. 41.00-55.00.

New Holland Auction

Thursday, December 28

No Thursday Market Report due to day declared as National Day of Mourning.

Lebanon Valley Auction

Tuesday, December 28

237 Head of Cattle

Compared with last weeks market, slaughter cows steady mostly 25c higher, spots 50c higher. Slaughter bulls Utility and Commercial about steady.

STEERS: Choice (few) 37.35-38.85; Standard 34.00-35.75; Utility (few) 32.75-34.25.

HEIFERS: Choice (few) 35.00-36.25; Utility (few) 29.85-31.60.

COWS: Utility and High Dressing Cutter 28.25-30.00, few 30.85; Cutters 26.35-28.25; Canners 24.00-26.35; Shells (few) down to 22.75.

BULLS: Good (individual) 37.50; Utility and Commercial 33.60-38.25; Cutters (few) 31.35-31.50.

201 Head of Veal Calves

Prime (few) 62.00-64.50; Choice (few) 60.00-61.00 (few) 55.00-57.00; Standard (few) 48.50-54.00; Utility 90-120 pounds 40.00-47.00; 70-85 pounds 35.50-38.50.

FARM CALVES: $5 to $15 higher.

Bulls 85-115 pounds 45.00-65.00; Heifers 90-150 pounds 50.00-86.00.

Oklahoma City

Thursday, December 28

No Market Report due to day declared as National Day of Mourning.

Peoria Cattle

Thursday, December 28

No Market Report due to day declared as National Day of Mourning.

E-town Vo-Ag Dept. Surveys Area Farming

The Vocational Agriculture Department of the Elizabethtown Area High School is conducting a survey of farming operations in the area for purposes of planning a program of adult education in agriculture.

The survey, which has been distributed to area farmers by mail this week, is to be returned to the school so that farmers can be notified when meetings are scheduled pertaining to their own production, whether it be dairy, beef, swine, etc.

Tentative class meeting topics include "Protein Needs in Feed Rations," "Changes in DHIA Data," and "Income Tax and Farm Records"

The agriculture teachers at Elizabethtown planning the program are Elvin S. Hess and James S. White. Assisting is Larry L. Garber, graduate student in agriculture at Penn State University.

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Hog Prices

Vintage Auction

Tuesday, December 26

Barrows and Gilts 50-75 higher.

BARROWS AND GILTS — US 1 210-235 lbs. 33.85-34.25; US 1-2 200-245 lbs. 33.60-33.85; US 2-3 195-250 lbs. 33.25-33.60; US 3-4 250-265 lbs. 32.85-33.10.

New Holland Auction

Monday, December 25

No Auction

Christmas Day

Lebanon Valley Auction

Tuesday, December 26

302 Head of Hogs

Barrows and Gilts $1.50 higher.

BARROWS AND GILTS: U.S. 2-3 200 - 245 pounds 33.60 - 34.25, one lot 34.60; 2-4 190 - 260 pounds 32.75 - 33.25.

SOWS: U.S. 2-3 400 - 700 pounds 23.50 - 25.00.

BOARS: 20.00 - 23.00.

Indianapolis Auction

Hogs 2000. 2.00 lower than Wednesday. Steady to slow, 1.00 lower than Thursday. US 1-2 200-240 lbs. 30.50-31; 1-3 200-240 lbs. 30-30.50; 2-3 240-270 lbs. 29.25-30.

St. Louis Auction

Hogs-4000. 1.50 to 1.75 lower than Wednesday. Fully 50 lower than Thursday. US 1-2 200-230 lbs. 31.25; 100 head No. 1 200-210 lbs. 31.50; 1-3 200-230 lbs. 30.50-31.

Peoria Auction

No Market Report due to day declared as National Day of Mourning.

Lancaster Auction

Wednesday, December 27

HOGS — Barrows and Gilts 50-1.00 lower.

BARROWS AND GILTS — US 1 210-225 lbs. 33.50-34.00; US 2-3 195-250 lbs. 32.50-32.85; US 3-4 260-270 lbs. 31.50-32.10.

Lancaster Market

Tuesday, December 26

Barrows and Gilts 50 higher.

BARROWS AND GILTS—US 1 200-240 lbs. 34.50; US 1-2 200-240 lbs. 33.50-34.00; US 2-3 190-250 lbs. 33.00-33.50.

Show Honors

(Continued From Page 1)

Nissley, and third in fillers to Jay Bleacher.

This was the fourth year in a row that the Reist twins won tobacco show honors.

Fourteen-year-old Kerry Boyd retained his title of County 4-H Corn King Thursday in competition held in conjunction with the tobacco contest.

The son of Mr. and Mrs. Elmer Boyd, Ephrata R1, Kerry had the champion corn exhibit and the high record book score in the corn competition.

This was the third year in a row he has won the corn title. He also won a top award in corn judging at the State Farm Show in January.

Douglas Rohrer, 1623 Book Rd., placed second in corn judging and also second in record book score.

John Yokum also judged the corn contest.

U. S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter Under Federal Inspection

	CATTLE	HOGS	SHEEP
Week to date	248,000	582,000	67,000
Same period last week	346,000	888,000	102,000
Same period last year	329,000	875,000	112,000

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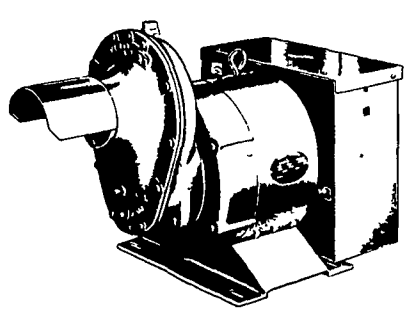

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New Cooperators

The Lancaster County Soil and Water Conservation District announces the following new cooperators:

Howard Swan, Rapho Township, 10 acres; Robert L. Kauffman, Drumore Township, 136 acres; George C. Aument, East Drumore Township, 55 acres; J. Emmett Murphy, Martic Township, 5 acres; Robert G. Brubaker (Martin), Mount Joy Township, 120 acres; Robert G. Brubaker (Graham), Mount Joy Township, 140 acres, and Zimmerman Bros., West Cocalico Township, 54 acres.

New Industry Funds Voted for Environment

New funds totaling $2.65 million have been approved by the American Petroleum Institute for the Institute's 1973 research program on improvement and protection of the environment.

These funds, together with some $2.25 million previously appropriated, will bring the total available for the 1973 research program to $4.9 million.

API President Frank N. Ikard said most of the money will be used to sponsor projects on air pollution problems and oil spills.

Futures Trading

(Closing bids as of Wednesday, December 27)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes	Chicago Fresh Eggs
January '73				51.10
February	40.50	32.95		47.65
March			5.86	46.60
April	40.80	29.05	6.07	45.75
May			6.79	39.80
June	40.75	29.30		39.75
July		29.00		
August	39.75	27.55		40.70
September				45.50
October	38.75	25.80		
November			3.33	
December	39.00	25.85		

Trend - Cattle are higher, Hogs are higher, Potatoes are lower and Eggs are higher.

a-asked b-bid n-normal

Markets provided by Commodity Dept., Reynolds Securities, Inc.

Nov. Egg Output Down 3 pct. in Pa.

Laying flocks in Pennslyvania produced 321 million eggs during November, 3 percent less than a year ago, and 1 percent less than October, according to a report this week by the Pennsylvania Crop Reporting Service.

The number of layers on hand averaged 16.5 million during November this year, compared with 16.2 million a year ago and 16.0 million last month.

The December 1 rate of lay was 64.8 eggs per 100 layers, compared with 63.7 a year ago and 64.6 a month ago.

The Nation's laying flock produced 5,597 million eggs during November, 6 percent less than in November 1971. Layers on hand during November averaged 306.8 million— 6 percent below a year earlier. The average rate of lay during the month was up 1 percent from a year earlier and partially offset the reduction in layers. Production declines from a year earlier of more than 5 percent occurred in Indiana, Wisconsin, Iowa, Missouri, South Dakota, Nebraska, Virginia, North Carolina, Louisiana, Oklahoma, Texas and California while production increases of more than 5 percent occurred in Maine, Massachuseetts, Tennessee and Washington. Layers on farms December 1, 1972 totaled 307.2 million, down 7 percent from the 328.9 million a year earlier but up slightly from November 1, 1972. Rate of lay on December 1 averaged 61.0 eggs per 100 layers, up from 60.5 a year earlier and up slightly from the rate of 60.6 on November 1, 1972.

Hatcheries in Pennsylvania produced 1.56 million egg-type chicks in November, a hatch 15 percent smaller than a year ago. January through November egg-type hatch totaled 23.1 million chicks, down 11 percent from the comparable period last year.

Commercial hatcheries in Pennsylvania hatched 5.8 million broiler chicks in November, 16 percent less than last November. January through November broiler-chick hatch totaled 71.1 million, down 2 percent from the comparable period last year.

Broiler-type chicks produced during November totaled 251.0 million, slightly more than the 250.4 million produced during November a year ago. The four leading States, Arkansas, Alabama, Georgia and North Carolina produced 138.6 million during November. This was more than half the total U.S. production. The accumulated January through November hatch of 3,002.5 million compares with 2,901.0 million during the same period last year. Broiler eggs in incubators on December 1 totaled 219.3 million, down 1 percent from a year earlier. Egg-type chicks hatched during November totaled 32.2 million—down 2 percent from the 32.9 million hatched during November 1971. In the three leading States, production was down 5 percent in California, 3 percent in Georgia and 9 percent in Florida. The January through November hatch of 456.2 million was down 8 percent from the corresponding months of 1971.

Use of man-made fibers will increase about 9 per cent this year, surpassing the 4.3 billion pound consumption of 1971 by 380 million pounds, according to R. W. Rice, president Firestone Synthetic Fibers Co.

NOTICE
TO ALL FARMERS!
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ON
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It's Causes.. It's Future Possible Remedies

SUNDAY DEC. 31 1:00 p.m.

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Don Park Exec. V.P. PennAg Industries Assoc.
Bob Mueller - Branch Manager, Cargill of Marietta.

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Poultry Market Reports

New York Eggs

Wednesday, Dec. 27

Market steady. Wholesale demand is fair but unaggressive. Local supplies of jumbos ample. Smalls light but increasing under slower export activity. Large and mediums are adequate with shipping point offerings not readily available. Nearby receipts are generally part loads, arrivals from the South are light with Midwest receipts mostly heavyweights Carton demand is fair

Delmarva

Wednesday, December 27
BROILER-FRYER MARKET

Ready to cook demand good. Slaughter schedules increased in effort to fill full needs. Less than trucklot prices tending higher within unchanged ranges on both plant and US Grade A. Advance interest fairly good. Live supplies adequate though weights tending lighter than desired in instances. Undertone very firm. Pool trucklot prices for Thursday arrival US Grade A 31-34½, mostly 31½-32; Plant Grade 30-32½, mostly 30½-31.

Weekly New York Egg Market

From Tuesday, December 26th to Friday, December 29th

	Mon.	Tues.	Wed.	Thurs.	Fri.
WHITE					
Fcy. Ex. Large	HOLIDAY	57	57	57	57
Large		57	57	57	57
Mediums		56	56	56	56
Pullets		48	48	48	48
Peewees		35	35	35	35
BROWN					
Fcy. Large		60	60	60	60
Mediums	Unquoted				
Pullets	Unquoted				
Peewees	Unquoted				
Standards		53	53	53	53
Checks		28-29	28-29	30	30

Long Tone - Most Plants continue to Clear satisfactorily. Market generally steady.

Eastern Pa. and N.J.

Wednesday, December 27
LIVE POUNTRY

Prices of light type hens held unchanged. Offerings adequate for fair plant interest during the holiday period. Demand for heavy type fair for barely adequate offerings. Prices paid at farm: Light type hens 6-9, mostly 8½-9 in Pa., mostly 7½-8½ in N.J. Heavy type hens TFEWR.

Fogelsville

Tuesday, December 26

Heavy type hens 17-30; Pullets 29-31½; Roasters 27½-31½; Capons 42-45½; Ducks 32-33; Drakes 49; Geese 53; Turkeys-Toms 27½-29; Turkeys-Hens 32; Rabbits 60-70½; Guineas 50-56; Pigeons (per pr.) 1.01-4.01.

Total coops sold 234.

Auction every Tuesday. Poultry received Monday 7 P.M. to 10:30 P.M., Tuesday 7 A.M. to 12 Noon. Sale at 11:30 A.M.

Directions - Take Rt. 22 thruway. Exit at Fogelsville Exit. North on stoplight in Fogelsville. Turn left, proceed 1 block, take next turn. Poultry Auction 100 ft. on right.

Un-Stated

The state of Franklin was organized but never admitted to the Union. The territory is now part of Tennessee.

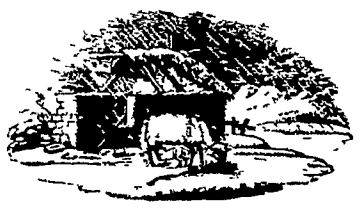
THE OLD FARMER'S ALMANAC

JAN. 1-7

Some snows may break your plows.

Now at New Year's tide, days have lengthened one rooster's stride . . Calvin Coolidge died Jan. 5, 1933 . . . New Moon Jan 4 . Annular Eclipse of the Sun Jan. 4, but only visible extreme southern hemisphere . . Average length of days for week, 9 hours, 10 minutes (year's latest sunrises 1-8) . . Take down Christmas greens . . . First vessel through Panama Canal, Jan. 7, 1914 . . . Water over the dam won't run the mill wheel

Old Farmer's Riddle: Why is an old car like a baby? (Answer below)



Ask the Old Farmer: Can you tell me how "lunkhead" originated? E. A., Cedar Falls, Iowa.

Probably was "lump" instead of lunk. Do you know about "blockhead" though? Blockhead was the original name for the wooden form which hatters have used for centuries in shaping the crowns of headgear. Of solid wood, it was no compliment then or now to be called a blockhead.

Home Hints Use baking soda and water to remove coffee stains from plastic dishes Keep lemons in water until used to improve their flavor and keep their skins soft . *Riddle answer* Because it never goes anywhere without a rattle

OLD FARMER'S WEATHER FORECASTS

New England: Snow to start, 2-4" coastal, 4-6" mountains, then cold; warmer with rain and snow latter part

Greater New York-New Jersey: Rain mixed with snow, then clear and cold by midweek Light rain and mild by week's end.

Middle Atlantic Coastal: Light rain at first, becoming colder with flurries; scattered showers and mild latter part.

Southeast Coastal-Piedmont: Begins with rain, then clear and cold by midweek; partly cloudy and warm latter part.

Florida: Clear and warm to start, then rain and cooler; clear, highs near 80s for weekend.

Upstate and Western New York-Toronto & Montreal: Snow, 4-6", to start, moving west to east, then colder at midweek; snow changing to rain latter part, milder weekend.

Greater Ohio Valley: Rain, then occasionally mixed with snow; week ends unseasonably warm with light rain.

Deep South: Rain to start, then clearing and very cold; cloudy latter part becoming warm for weekend

Chicago and Southern Great Lakes: Snow, 4-6", at first, then light snow in east and cloudy in west; partly cloudy and unseasonably warm latter part

Northern Great Plains-Great Lakes: Intermittent light snow to start, then cold, end of week milder with light snow, but very cold and snow in west

Central Great Plains: Rain, then partial clearing and warmer by midweek; partly clear and unseasonably warm latter part

Texas-Oklahoma: Showers to start, then partial clearing and cooler by midweek; end of week mostly clear and hot.

Rocky Mountain Region: Begins clear and cold, then some light snow; more snow latter part, 3-5" and 15-20" in mountains

Southwest Desert: Clear and warm, highs near mid-70s; then rain latter part and turning cooler

Pacific Northwest: Partly cloudy and cold to start, then snow changing to rain and warmer by midweek; heavy rain latter part, changing to light snow and colder.

California: Rain, heavy to start, and continuing all week; turning colder latter part.

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Farm Calendar

Monday, January 1, 1973
New Year's Day

Tuesday, January 2

7 p.m. - Lancaster County Farmers Association Kick-off meeting, Witmer Fire Hall.

7:30 p.m. - Ephrata Young Farmers "Sire Selection" meeting, vo-ag department, Ephrata High School.

Wednesday, January 3

7 p.m - Garden Spot Young Farmers welding course, vo-ag department, Garden Spot High School.

7:30 p.m. — Lancaster County Soil and Water Conservation District board meeting, Farm and Home Center.

Thursday, January 4

1:30 p.m. - Lancaster County Tobacco and Corn Show, FFA and Open Classes, Farm and Home Center.

1:30 p.m. - Southeast Pennsylvania Nursery meeting, Holiday Inn, King of Prussia.

7:30 p.m. - Ephrata Young Farmers officers meeting, vo-ag department, Ephrata High School.

Lancaster Farming
Lancaster County's Own Farm Weekly
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Richard E. Wanner, Editor
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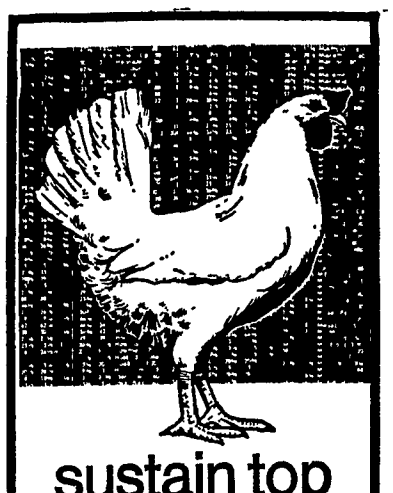
Shot in the Back

James Butler Hickok, known as Wild Bill, was appointed marshal of Hays City and Abilene, Kan., considered the most lawless towns on the frontier until he restored respect for the law. He was shot dead from behind by Jack McCall, a desperado, in Deadwood, S.D., in 1876.



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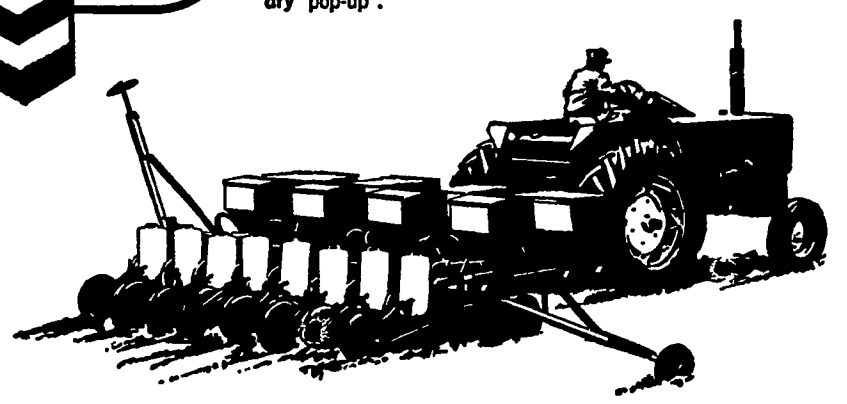
— Double Duty Nutrients. STARTER SPECIAL has both quick-acting and long-lasting nitrogen and phosphorus for thorough plant feeding. There is no urea or diammonium phosphate that might endanger the seed through liberation of free ammonia.

Of course, these features also make it highly effective as a banded starter. But, with only slight adaptation of most planters, it can be applied directly with the seed in exacting measurement for safety and maximum response.

With this kind of control, you apply much less material — only 1/3 the amount needed for banding. And the reduced material handling could cut your planting time in half!

So, save time, trouble, and money at planting time. See us soon about applying STARTER SPECIAL this spring as a dry "pop-up".



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Meat, Poultry Inspection Schedule Changes Proposed

A proposal announced by the U S. Department of Agriculture would amend Federal meat and poultry inspection regulations on inspection workweeks, holidays and overtime.

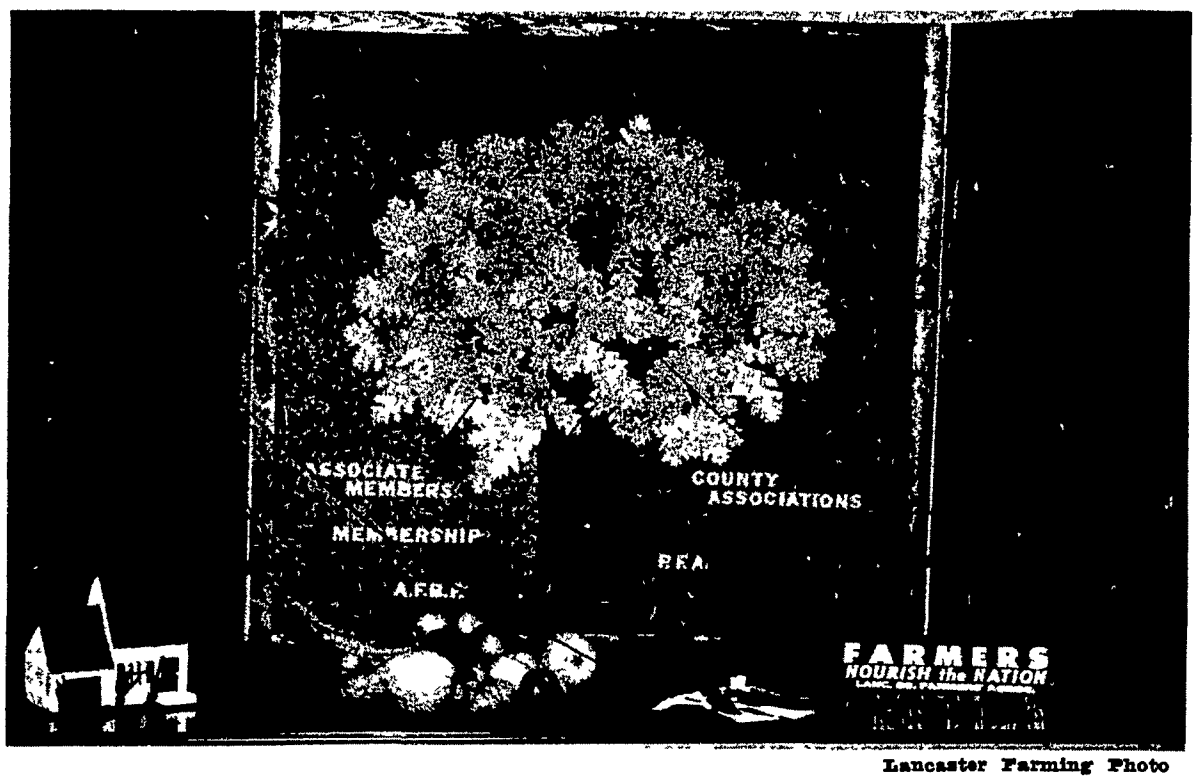
If adopted, the proposed amendments would make the standard workweek for all meat and poultry inspectors any five consecutive eight-hour days from Monday through Saturday. If a government holiday falls outside the standard workweek, inspectors would be entitled to a holiday on the nearest day in their workweek—or to holiday pay, to be charged to the packer or processor.

The proposed regulations also define the length of work shifts for inspectors in different types of plants and amend the list of inspector holidays.

Officials of USDA's Animal and Plant Health Inspection Service said the regulation changes were proposed to make scheduling policies more uniform between the meat and poultry inspection programs, which were merged in 1968, and to accommodate changes in Federal holidays.

Copies of the proposal, which were published in the December 12 Federal Register, are available from APHIS, Room 1658-S, USDA, Washington, D.C. 20250.

Comments on the proposal should be sent in duplicate by February 10, 1973, to the Hearing Clerk, USDA, Washington, D.C. 20250. Anyone wishing to present his comments orally should contact the Issuance Coordination Staff, Technical Services, APHIS, USDA, Washington, D.C. 20250, so that arrangements can be made for presentation of his views before the February 10 deadline. Written comments and transcripts of oral comments will be available in the hearing clerk's office for public review.



Lancaster Farming Photo

Farmer interests are being promoted at the Farm and Home Center with this attractive display. It was erected by the Lancaster County Farmers Association to explain the role of farmers in producing food and fiber.

Arsenic Compounds in Chicken Livers

The U.S. Department of Agriculture (USDA) reported that organic arsenic compounds have been found in the livers of broiler-fryer chickens.

USDA's Animal and Plant Health Inspection Service (APHIS) says that 14 of 90 chicken flocks sampled contained illegal arsenic residues (above one part per million) in liver samples. These samples are from USDA's objective phase program, indicating a 15.5 percent violation level.

Ten of 590 pork samples also contained above-tolerance levels of arsenic; these results represent a continuing decline in violations found in this specie. All sampling was done since Jan. 1, 1972.

Organic arsenic compounds, in amounts up to 90 grams per ton of feed, are used in hog and chicken rations to stimulate growth and improve feed conversion. All animals are required to be withdrawn from arsenic-containing feeds for five days before slaughter to give the animals and birds time to fully eliminate the feed additive.

Reports on these violations have been turned over to the Food and Drug Administration of the Department of Health, Education and Welfare for investigation. FDA has legal authority over animal feed additions. Because of these residue findings, USDA has initiated an increased arsenic testing program to help assure that no residues reach consumers.

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2-gallon can	1 quart

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120-lb drum	10-pack of the same (or equivalent value)
35-lb pail	4 cartridges
25-lb pail	3 cartridges
10-pack of cartridges	an extra cartridge

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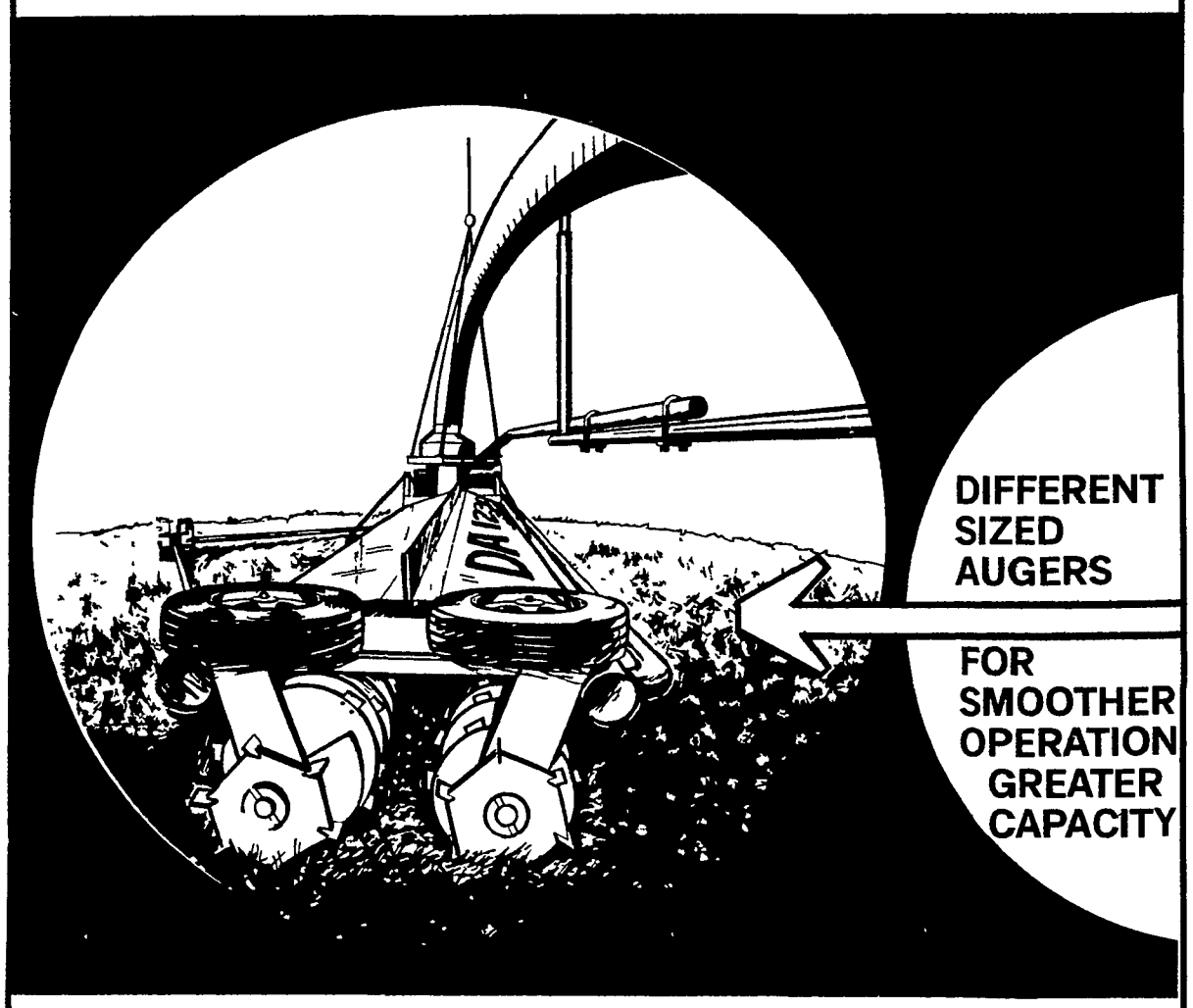

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FOR SMOOTHER OPERATION GREATER CAPACITY

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The Lancaster 4-H County Council held its annual Christmas party-meeting Monday night at the Farm and Home Center. Each person attending brought canned goods and homemade goodies which were packed and distributed to a number of elderly people in the County through the Extension Expanded Nutrition program. Peanut brittle, being sold now through January 2 to benefit the National 4-H Center in Washington, D.C., was distributed after the meeting.

Farm and Home Center Space Expanded

The Farm and Home Foundation of Lancaster County reports about 900 meetings were held this year, at the Farm and Home Center, attended by about 68,000 area residents. During some periods usage of the facility is approaching the practical maximum, and for many weeks of the coming year the Farm and Home Center is already almost fully booked.

Rental income from office space is also up - not because rental rates were increased, but because additional space is being rented. The Lancaster-Lebanon Intermediate School Unit requested additional space for their expanding needs the beginning of the year. The board voted to convert the large unfinished basement into office space which was completed in the fall and is now in use.

By early fall the morgage debt was down to $80,000. With the cost of converting the basement office space totalling about $25,000, additional borrowing was necessary so that the total indebtedness now stands at $105,000.

Another significant development in 1972 was that the Internal Revenue agent examining the 1968 return recommended the tax exempt status be cancelled because he felt the original charter during that year had not been fulfilled in such areas as educational activities and because so much income was used for building payments Board members participated in a hearing before a regional IRS Examiner but no final decision was reached and the matter has now been referred to Washington A further appeal is being made to retain the present federal tax exempt status

Arragnements have been made for the Farm and Home educational scholarships from the Esbenshade Trust Fund to be paid through the treasury so these educational disbursements will show on the books Two additional scholarship awards have been established from Farm and Home Foundation funds The educational programs and similar activities are being expanded, which will help qualify the Farm and Home Foundation as a tax exempt organization A highlight in this area was the meeting sponsored by the Educational Committee on Consumer Education by Mrs. Dorothy Burkhardt of the White House Staff "The Economic Outlook" will be the subject for another educational meeting being planned for early next year

Farm and Home Foundation members have carried out several fund-raising projects, such as the Labor Auction and the first annual antique show last May Both proved quite successful and provided several thousand dollars additional income. However, with the office expansion, the indebtedness still stands higher than can be liquidated within a reasonable period from such special activities and from regular rental income Therefore, contributions to the Farm and Home Foundation would be greatly appreciated

Estimating Program for Fresh Market Vegetables Modified

The U S Department of Agriculture's Statistical Reporting Service today announced changes in its estimating program for fresh market vegetables starting with the 1973 crop season. The modifications reflect recommendations of industry and other Federal agencies.

A major modification will be the shift to quarterly acreage and production reports for most fresh market vegetable crops: winter - January, February, March; spring - April, May June; summer - July, August, September; fall - October, November, December.

An estimate of acreage for harvest will be issued for most fresh market vegetables at the beginning of each quarter. An estimate of acreage harvested and production of each crop for each quarterly seasonal group will be issued following harvest.

The monthly celery report which now covers only California and Florida will be expanded to include, Ohio, New York and Michigan.

Producers' intentions to plant will be reported for selected crops within production areas.

Monthly production forecasts during the growing season will be discontinued for all crops, except strawberries, onions and celery.

The fresh market vegetable annual report will be issued about January 15, rather than in December.

Fix-It Tip

When a refrigerator runs and runs and runs, it may be leaking air around the door gasket. Close the door on a sheet of paper. If you can pull it out easily, the gasket is defective

Location may also cause a refrigerator to overwork Move it away from a stove or radiator, if that's where it's located.

Make it a habit to brush the dirt and lint from the cooling coils and associated parts of the refrigeration unit. The radiator may become clogged and the motor will have to work twice as hard to cool the refrigerant

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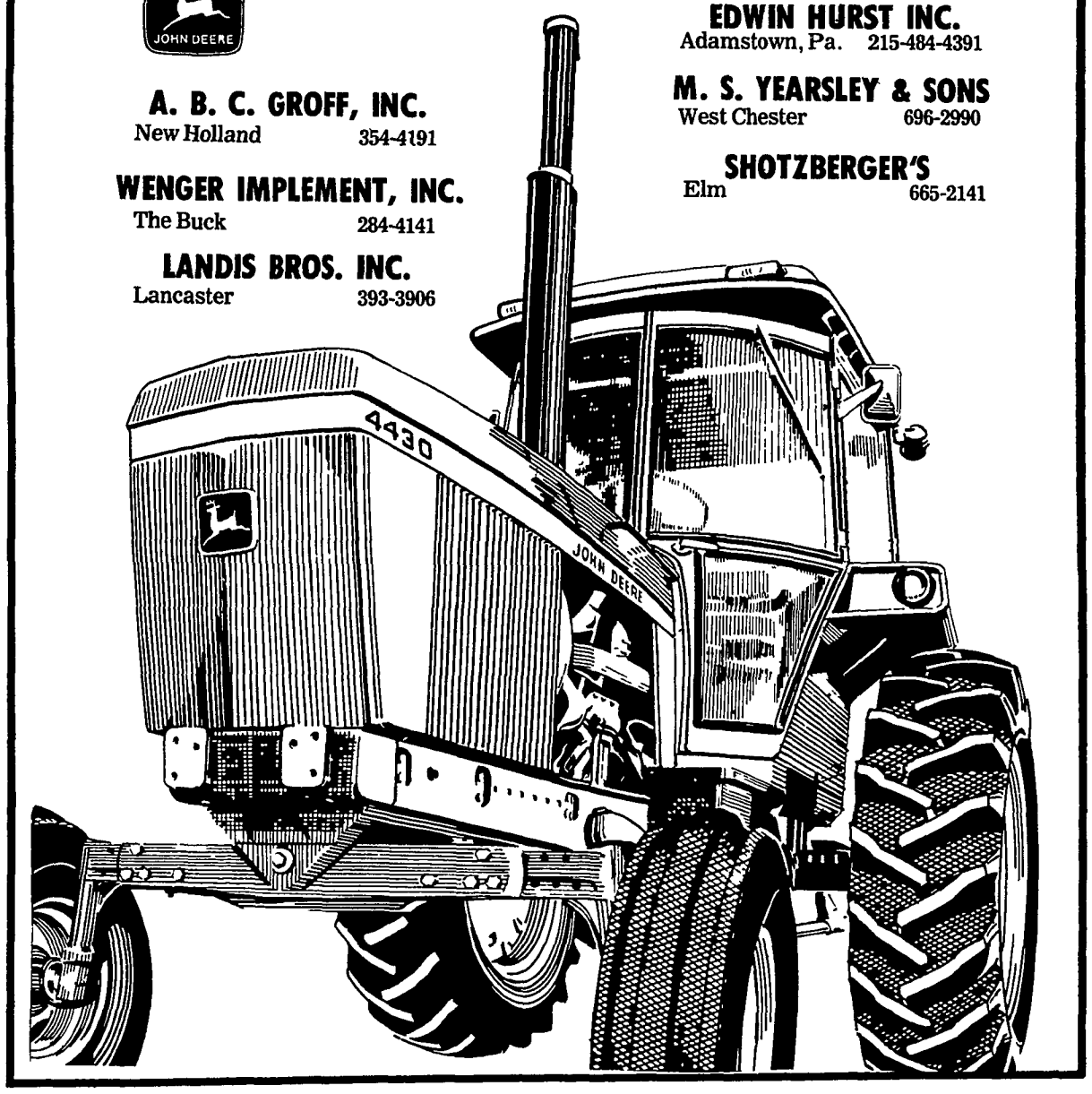

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Chester County Holds Annual 4-H Beef Show

A 1290 pound Angus-Charolais cross steer owned by John Holloway, West Chester , was named grand champion at the annual Chester County 4-H Beef Show John is the 11 year old son of Mr and Mrs. William Holloway

The reserve grand champion of the show was an Angus steer owned by Esther Howe, daughter of Mr & Mrs Milton Howe, Elverson

In the showmanship contest David Wylie, Nottingham, was named champion junior showman, members under 14, while his brother James was named champion senior showman, members over 14.

Other placings in the junior showmanship contest were: second, John Holloway, third, Darrel Stoltzfus, Glen Moore; fourth, Barbara Sickler, West Chester, and fifth, Barbara Bartram, West Chester

Placings in the senior division were· second, Howard Stoltzfus, Glen Moore, third, Esther Howe, fourth, Sally Bartram, West Chester, and fifth, Robert Frame, Jr., Exton.

William Holloway (left), Chester County 4-H beef leader, congratulates James and David Wylie, Nottingham. Jim was champion senior showman and Dave was champion junior showman at the Chester County 4-H beef show.

Placings in the heavyweight class were: first, John Holloway; second, James Wylie; third, Robert Frame, Jr.; fourth, Barbara Sickler; and fifth, Diane Beam, Elverson

Places in the medium weight class were: first, Esther Howe; second, Ed Wylie; third, David Wylie; fourth Cheryl Wojtowicz, Downingtown, and fifth, Peter Searl, Glen Moore.

Placings in the lightweight class were: first, Barbara Bartram; second, Tricia Bartram, West Chester; third, Phil Sandberg, Glen Moore; fourth, David Anderson, Pocopson, and fifth, Mike McShane, Glen Moore.

In the beef breeding classes, John Holloway showed the first place Angus heifer while Fred Wojtowicz showed second place Angus heifer. In the Hereford heifer class, first was awarded to Howard Stoltzfus while his brother Darrel placed second.

Following the judging, five steers were selected to represent Chester County at the Pennsylvania State Farm Show, January 8-12, 1973. Selected were steers owned by John Holloway, Esther Howe, James Wylie, Sally Bartram, and Diane Beam.

The show was held recently at Crebilly Farm, West Chester, with 31 4-H members participating from Chester and Delaware counties.

This activity is one of many sponsored by the Chester County 4-H Beef Club. Members of the club receive instruction from William Holloway, West Chester; Conrad Grove, Downingtown; Milton Howe, Elverson; and Sam Wylie, III, Nottingham

Local Girl Attends Junior Hort Convention

Miss Judy Risser, daughter of Mr. and Mrs. Allen Risser, Leola RD1, joined with about 350 4-H, FFA, and unaffiliated members interested in horticulture at the 38th Annual National Junior Horticultural Association Convention in Columbus, .Ohio recently. The Convention theme was "Follow Your Dreams Now Is The Time".

The delegates shared educational, recreational and competitive experiences. Demonstration competition was held in several categories relating to production, marketing, use, landscaping and artistic arrangement of horticultural products.

The first annual Speaking of Horticulture Contest highlighted the Tuesday program along with the demonstration contest. On Wednesday, the Judging, Information d Identification Contest was held with over 200 contestants participating.

Key guests of honor at the convention were Gene Abercrombie, Director, and Roy M. Kattman, Dean, College of Agriculture and Home Economics, both of Ohio State University.

The National Junior Horticultural Association is a group for young people between the ages of 14 and 21 with an interest in horticulture or related fields.

"Management is the art of getting three men to do three men's work."

Hosler Blasts Rain Makers

One of the nation's leading advocates of weather modification today sharply criticized his colleagues for the "quick and dirty" nature of many of their experiments.

Dr Charles L Hosler, dean of the College of Earth and Mineral Sciences at Penn State told a section of the American Association for the Advancement of Science meeting in Washington, D C , that experiments in weather modification are too often crude and based on short-term results:

"The cost of today's weather modification experiments should not be justified on the basis of rain made or hail prevented in the short term but rather on the long term development of a rationale for managing atmospheric resources "

"Perhaps the meteorologists have been guilty of permitting their work to be sold on the basis of undemonstrated short-term results "

Dr Hosler a meteorologist and chairman of the weather-modification panel advising the National Oceanographic and Atmospheric Agency, called for more sophisticated experiments taking advantage of physical nd mathematical models and involving vast increases in surface and satellite observation.

". The aircraft, balloons, sensors, telemetry, data handling and computational facilities needed to examine even a single cumulus cloud which develops into a shower exceed the aggregate of all of the apparatus (now) brought to bear on cloud seeding in the U.S.," he said.

Dr Hosler, whose address keynoted the session, acknowledged that very serious moral-legal problems have been posed by the successes of cloud seeding· "an almost certain consequence of changing the weather. is that some individuals will be affected adversely even though many others would be benefited.

"Thus while the morality of the Prophet Samuel calling upon the Lord to bring down the lightning and thunder and the hail to smite the Philistines . might never have been seriously contested in Sabbath or Sunday, perhaps the Philistine point of view was never adequately presented."

Dr Hosler advocated the study of very minor perturbations as a means of deducing well-defined patterns over a large weather system

Some of these minor influences are man-made· men has inadvertently changed the weather by almost every technological advance he has made.

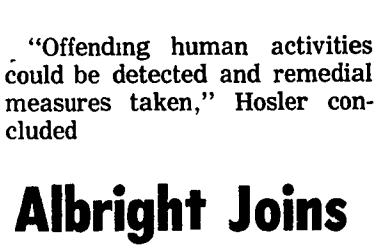
However, satellite observations, particularly by remote sensing, could provide a warning as to the growth of such inadvertent weather modification.

"Offending human activities could be detected and remedial measures taken," Hosler concluded

Albright Joins Lancaster Labs

The appointment of Dr. Fred R. Albright as Assistant Technical Director was announced last week by Dr Earl Hess, President of Lancaster Laboratories, Inc. Dr Albright, a Lancaster county native, is returning to this area following a two year post-doctoral research appointment at the Johns Hopkins School of Medicine in Baltimore. Valedictorian of his 1962 class at Conestoga Valley High School, Dr. Albright continued his studies at Muhlenberg College and the University of Illinois. He was awarded his Ph.D. in Biochemistry from the latter institution in 1970.

Dr. Albright, his wife Blakelyn and their daughter Brooke have recently moved from Baltimore to 2001 Pine Drive, Lancaster.



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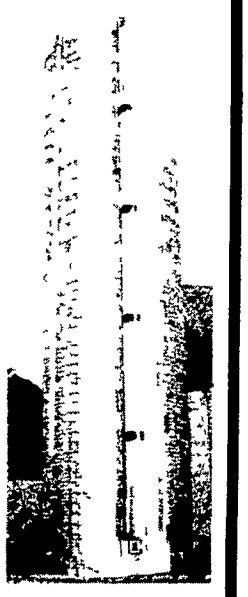

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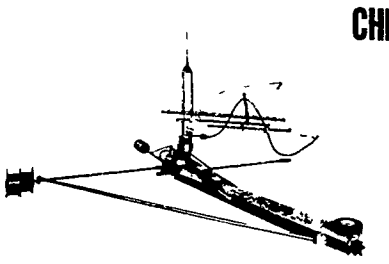

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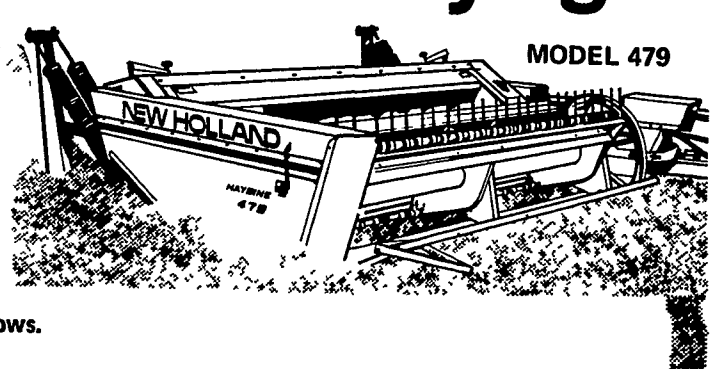

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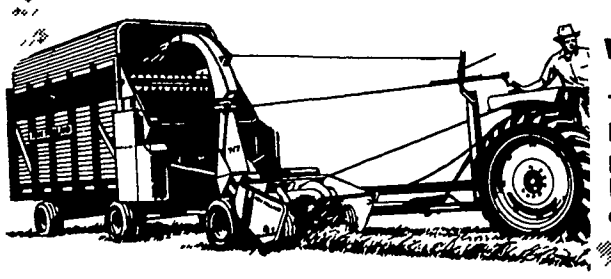

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The Farmers Association, with 1174 members in Lancaster County, 16,000 members statewide and over 2 million members nationwide, is the voice of agriculture. Make your voice heard. Join the Lancaster County Farmers Association today.

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So Long '72!

So long '72!

And good riddance, a lot will say. For many area farmers, it's been one of the poorest years on record.

Spring seemed to begin well, with enough rain to get crops off to a good start. But the rains seemed never to stop, and the resultant floods left in their wake ruined and stunted crops, downed buildings, drowned livestock and tons of mud and debris Months after the flood, some farmers were still trying to dig out.

Then after a surfeit of rain in the spring, we had none to help crops through the summer. Tobacco farmers were among the hardest hit by both the floods and the drought

Other trials visited on farmers here and throughout the nation were a hog cholera epidemic, rocketing feed costs, and the ever-tightening vist of agriculture's profit-cost squeeze.

For many it's been a very bad year. But we've heard of no farmers locally who were forced out of farming in '72, and if anyone can weather a year like the one just past, he can probably handle just about anything.

Except for the feed cost situation, the new year starts on a definite upswing. Egg prices are once again at a profitable level. Beef and hog prices are setting records. The market for milk and milk products is extremely strong. And urban folks here and across the country seem to be sympathetic with farmers' concerns.

Let's hope '73 brings more smiles than frowns. It almost certainly can't be worse than the year just past, and that's something we can all be thankful for.

All You Can Expect

The U S meat industry has proven that even in an inflationary era a free market can function in a way that assures both abundance and an equitable price level. During the past 20 years, while the farmer has seen his production costs rise an average of 50 percent, farm prices have risen only 6 percent

Farmers have been able to survive, thanks largely to massive increases in productivity The beef industry provides one of the best measures of that increased productivity in the manner in which consumers have benefited

Per capita beef consumption in the United States amounted to 82 pounds in 1960 Within 12 years, it has grown by 34 pounds per person Furthermore, experts predict that per capita beef consumption will rise another 22 to 27 pounds between 1971 and 1980, reaching 135 to 140 pounds This amounts to an annual rate of increase of about 3 percent. Some 8 5 million additional cattle will have to be fed in 1980 to match this increase in demand

What these figures all boil down to is that Americans like meat. And they are able to buy it at free market prices, which in turn have given the incentives to the beef industry to step up productive efficiency and strive aggressively to provide the quality and quantity of meat demanded by the consumer.

Right now, according to a pamphlet published by the National Live Stock and Meat Board, the industry is endeavoring, with greater energy than at anytime in the past, to present the facts about the meat industry and meat prices In the words of the pamphlet, it is working " . . . full time to tell editors, columnists, news writers and housewives the beef price story . . . that beef is still a terrific buy . . . that American cattlemen are producing to the hilt . . . that in our society of free competitive livestock marketing, the price of beef is still set by supply and consumer demand."

In short, the industry is striving to show how the free market guarantees abundance at a fair price. No one can reasonably expect more.

WE'RE INAUGURATING

Grassroots Opinions

TERRE HAUTE, IND, TRIBUNE· "'Litterbug' sounds cute, but there's nothing in the least cute about the litterbug He - or she, for the female of the species is as deadly as the male - is rather a nasty creature who brings to mind the bird that fouls its own nest More or less innocent carelessness plays a part in littering, granted. Is carelessness much of an excuse? We think not. A park or picnic ground or roadside blighted with people residue - scraps of paper, garbage, throwaway cups and cans and bottles - is no less so because the litterers were not vicious nor nasty, but simply careless. The results are the same."

NOW IS THE TIME . . .

Max Smith
County Agr. Agent
Telephone 394-6851

To Continue Swine Sanitation Practices

Even though the ban on transporting hogs in Pennsylvania has been lifted, except the quarantined areas, there is still need for strict sanitation practices on every hog farm. Producers should be very careful tions home to their animals from sales or other public livestock places. Visitors to the swine barns should be limited and under strict regulations. All stray dogs, cats, and wild birds should be kept away from the swine herd. Close supervision several times daily of the animals and prompt reporting to the local veterinarian of any sick animals is very important. The swine industry is a very important part of our agricultural economy and warrants very careful management at this time.

To Prepare Farm Show Exhibits

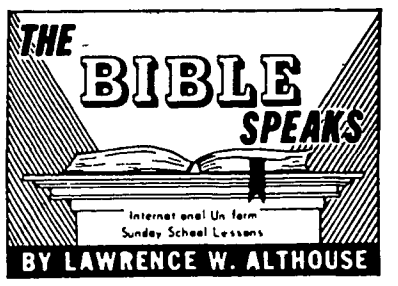
The 1973 State Farm Show opens on January 8 at Harrisburg. Lancaster County folks usually exhibit hundreds of items each year in dozens of departments. All exhibitors are urged to secure a Premium List booklet and follow the instructions carefully. Livestock should be prepared to meet the health regulations. Other exhibits require time and skill to be properly prepared and selected. The competition will be strong and anything worth doing is worth doing right. Don't be afraid to spend time in selecting and preparing the exhibit.

To Protect New-Born Animals

In many flocks of sheep and herds of swine the new-born lambs and pigs will arrive in cold weather and will need some protection. If a heated building is not available, we suggest small pens with heat lamps to warm the little animals quickly and get them dry. The heat lamps should be securely fastened out of the reach of the mother animals. Close supervision at farrowing or lambing time is very important toward the effort of saving a high percentage of the animals. A warm area, dry, and free of drafts will help the new arrivals get on their feet and beging to nurse from their mother.

To Evaluate Farm Records

Accurate farm records are very important for many reasons including Income Tax reporting; however, one of the most important uses of these records is to guide the farm operation in the future. In making plans for 1973 it is strongly advised that farm operators spend some time in studying their farm accounts to try to correct areas of poor return and high costs. Time spent at the farm desk during the winter months could be very important in doing a better job next year and a better job of farm management. Good management and planning must be done during the winter months in order to be ready for the growing season of the spring and summer months.



BEYOND RESOLUTIONS

Lesson for December 31, 1972

Background Scripture· Jeremiah 18:1-11, 32 1-25
Devetional Reading Isaiah 64 4-9.

Someone has said that it is good that most of us do not take New Year's resolutions very seriously, for the frustration of finding that we do not live up to them would be too great. Actually, there is nothing wrong with New Year's resolutions — in fact, we probably ought to do this more often than annually. The problem is that we need to go beyond making resolutions. There is something more involved if we are ever to change.

Rev. Althouse

"Thou art the potter . . ."

God used a very simple analogy to teach Jeremiah and the people a very important truth. Getting him to observe how, sometimes, despite the skill of the potter, the vessel is broken or spoiled, God is suggesting that men are like that clay vessel. capable of being broken and capable of being remade.

Like the potter, God shapes us and moulds us. If, however, we are resistant to him, we become like a spoiled vessel in the potter's hands The people of Israel were a good illustration God had lovingly shaped this people according to his plan, yet Israel had not yielded completely to him:

Thus says the Lord, I am shaping evil against you and devising a plan against you. Return every one from his evil way, and amend your ways and your doings (Jeremiah 18:11).

God does not want us to be evil, but he does not compel us to be good, either. We can choose to "return" and "amend" our ways, or we can be resistant, unyielding.

"We are the clay . . ."

Yet, if the potter needs co-operation from the clay, neither can the clay do it without the potter. The only thing the spoiled vessel could do was to allow the potter to reshape it

. . . he reworked it into another vessel, as it seemed good to the potter to do (18:4).

It is an old story: a man cannot pull himself up by his own bootstraps. He can make a mess of his life without any help at all, but he cannot remake that life by his own efforts. He needs the touch of the Master Craftsman. That should not surprise us, for it is an every day experience: my television set can go on the blink by itself, but it cannot repair itself. Neither can I.

This is why we say that we must go beyond resolutions. A resolution is merely the expression of a willingness to change, but it is not the power to accomplish it. That is why so many resolutions fail they are decisions without the power to bring them off. The resolution we must furnish, but the power, comes from God alone.

If you want to change, it takes both resolution and power. It is in yielding ourselves to his hands that carries us beyond resolution to change and growth in the direction of the person that God created us to be.

(Based on outlines copyrighted by the Division of Christian Education, National Council of the Churches of Christ in the U S.A Released by Community Press Service.)

The '73 Pennsylvania Farm Show - They Said It Couldn't Be Done

On January 8, 1973, the doors will open on the Pennsylvania State Farm Show in Harrisburg for the 57th time and before they close late Friday afternoon, upwards of a half-million people will have passed through them. The logistics of such an undertaking in an outmoded building served by inadequate traffic routes are difficult under the best of circumstances.

The typical visitor to the Farm Show is intimately aware of the extreme traffic conditions but the balance of the headache mercifully escapes him.

It all began on June 21, 1972, when the morning rainfall was accompanied by a flash flood warning. Less than 48 hours later, hundreds of thousands of Pennsylvanians up and down the Susquehanna watershed were left homeless by rising waters and the Farm Show complex, known around the world as the home of the largest indoor agricultural exposition, had become a virtual indoor lake.

Although 5,000 families were made homeless and private business and commerce devastated in Harrisburg, most of the buildings that the Commonwealth owns in the capital city were left high and dry. The two most prominent exceptions were the Governor's Mansion and the Farm Show.

The inter-connecting series of Farm Show buildings and barns constructed over the last 40 years and now covering more than 11 acres under one continuous roof was standing in 80 inches of muddy water.

Most of the water drained away, but much had to be pumped out of below-grade recesses. Equipment was drained, dried, repaired or replaced. Brick and masonry surfaces and floors were scrubbed with fire hoses and brooms. Everything else touched by the flood waters was repainted and barely a month had gone by when the first small scale events started going on as usual at the Farm Show.

The All-American Dairy Show in September and the Keystone International Livestock Exposition in November came off on schedule and the 57th Annual Pennsylvania State Farm Show will be on schedule, too.

Very few concessions had to be made to the Great Flood of '72. The most significant of these are the parking accomodations. A good portion of the Farm Show complex's 60 acres of parking space was given up to take on some 225 mobile homes to house Harrisburg area families made homeless by the flood. The arrangement is temporary but you'll still be able to see this "sudden city" when you visit the Farm Show.

And you'll still be able to park. Additional land had been acquired from the City of Harrisburg, and Harrisburg Area Community College. Free shuttle buses will run continuously between the HACC lot and the entrances to the Farm Show.

Five Trees Per Person To be Planted During '73

During 1973, almost a billion small trees, or five for every American, will be planted in the nation's forests, according to American Forest Institute. The gigantic planting replaces trees that have been harvested or lost to fire, insects or disease.

More than 1.3 million acres are expected to be planted this fall and next spring, according to AFI estimates. Over 200,000 additional acres are expected to be aerially seeded by helicopter as well, with applications ranging from 10,000 to 30,000 seeds per acre, depending on tree species.

Even this huge reforestation total is dwarfed by nature's own continuous natural replanting via seedfall scattered on the winds. AFI said the big planting effort is carried on mainly because foresters are too impatient to wait for nature's leisurely pace in getting trees back into the ground again on valuable timber-growing land.

AFI said every man, woman and child in the United States will have used up a tree by the end of this year—a fairly big tree, about 100 feet tall and 16 inches in diameter and yielding about a ton of wood. That is the current annual U.S. per capita share of wood fiber that goes into tissues, newspapers, school books, furniture, houses, food packages and thousands of other products.

In pulp and paper alone, according to AFI, each citizen is currently using 570 pounds a year, 10 times the amount of individual wood use in 1900.

The tree-planting effort is helping maintain the nation's forest base of 759 million acres—a forest area still 75 percent as great as when Columbus landed. AFI said the balance between growth and removal is "in the black" on these lands, with growth exceeding harvest and natural losses combined by a substantial volume.

The Institute added, however, that about a third of that forest land—248 million acres—is set in parks, wilderness and other restricted areas or is not suited for growing commercial timber. As population grows, intensive forestry practices such as the current tree-planting effort will have to be continued and expanded to assure maintaining the present one-tree-per-American annual harvest.

AFI pointed out that government and industry tree planters are committed to long term projections. Trees being put into the ground will be harvested in years 2000 to 2037 to provide Americans with housing and other requirements.

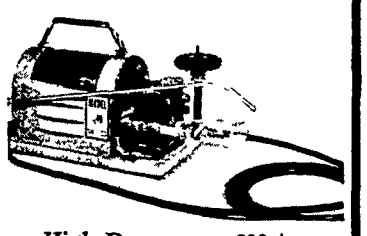
In the Kitchen

CORNMEAL PUDDING

⅓ cup suga
1 tsp. salt
3 tbsps. bu er
4 cups mill
1 cup enri ed cornmeal
3 eggs, beat n

Combine sugar, salt, butter and 3 cups of the milk. Heat to scalding. Combine cornmeal and remaining cup of milk. Slowly pour into hot milk mixture, stirring constantly. Cool until thickened and then cover and cook at low heat, stirring frequently. Stir small amount of hot cornmeal mixture into beaten eggs. Quickly add this to the cornmeal mixture, stir well Spoon into serving bowls and top with grated nutmeg.

PORTABLE Pressure Cleaner



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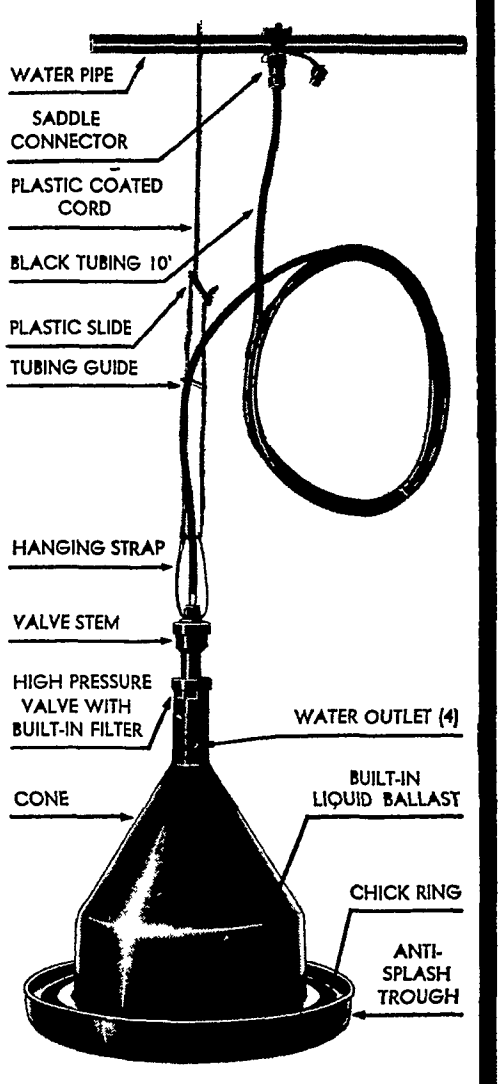

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Tractor Sales Booming

The free world farm and industrial tractor industry—paced by a sales boom in the United States and Canada—is finishing its best year since 1969 and should do almost as well in 1973, according to a Ford Motor Company tractor executive.

James H. Grommersch, who heads worldwide sales for Ford Tractor Operations, said that industry sales of wheeled tractors in the free world will be about 690,000 units this year, compared with 700,000 in 1969 and 640,000 last year. Further, he predicted that 1973 sales would total about 675,000 units.

"Industry tractor sales in the United States and Canada reached about 228,000 units this year, up 18 per cent from last year's 193,000 units," he said. "That's the best year for North American sales since 1967 when the industry sold 243,000 units."

"By contrast, industry unit sales in Europe are up about four per cent for 1972, while sales in the rest of the free world (excluding North America and Europe) are up about two per cent," Grommersch said.

"We're optimistic about 1973 because of a number of factors—the improvement in farmers' income, some pent-up demand from recent years, increased exports of farm commodities, a surge in construction contracts, a general realignment of world currencies and a greater supply of loanable money," he said. "We expect these factors to continue to buoy sales although their benefits already have been realized most during 1972."

"In the United States, for example, the gross national product is up 6.4 per cent this year over last year and is expected to grow another 6.1 per cent in 1973," he said. "And with U.S. government fiscal pressures expected to hold interest rates down and forestall any tight credit crises during 1973, tractor buyers should find ample funds available at reasonable rates."

"Over 70 horsepower farm tractors accounted for 40 per cent of all industry unit sales this year in the U.S. and Canada, for example, compared with only 18 per cent 10 years ago," Grommersch concluded

Crockett in Congress

Davy Crockett, the famous Indian scout, was elected from Tennessee to the House of Representatives in 1826, 1828 and 1832. He was defeated in 1830, partly because of his opposition to Andrew Jackson's Indian Bill, which violated Indian treaties

Corn Growers Win Top Yield Awards

Outstanding local corn growers are receiving high yield awards from The Producers of Funk's G-Hybrids for their early entries in 1972 Project:200. They are Weidler Bros., Palmyra, and Jay Rohrer and Harold Musser of Manheim.

Project:200 is America's largest high yield corn growing contest. With a beginning in 1969, the contest has grown each year with over 5,500 corn growers participating in 1971. Even greater participation is expected for 1972.

The early yields, and hybrids reported by the growers are: Weidler Bros., 106.8 bushels per acre made with G-4646, and Jay Rohrer and Harold Musser, 140.9 bushels per acre made with G-4646.

The thousands of corn growers throughout the U.S. and Canada who take part in Project:200 machine harvest and shell a minimum of two acres from not less than four adjacent rows running the full length of the field. Yields are converted to No. 2 corn and all figures are validated by a disinterested witness.

The top yield in 1971 was 289.9 bushels per acre. Overall average yield of 5,500 entries was 146.5 bushels per acre.

The agronomic practices used by Project:200 competitors are annually computerized. The summary of this information represents one of the largest studies ever made of the techniques used by corn growers in striving for higher yields.

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Pigs *love* Purina Baby Pig Chow and Purina Early Weaning Chow, too—and that's important, for it makes no difference how great a pig starter may be, if pigs won't eat it.

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1895	ORMSBY	t21	t426	t10	69%
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1857	ARLINDA 49	t20	t680	- 1	87%
1872	INTENSIFIER	t20	t475	t 7	52%
1908	FAYNE	t19	t430	t 7	65%
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From Local Ag Teachers:

Thoughts in Passing

(Editor's note: This is one in a series of articles introducing vo-ag teachers who've begun teaching this year in Lancaster County Schools.)

Glenn Weber is the newest member of the Manheim Central vo-ag teaching staff. Glenn, the son of Mr. and Mrs. Andrew Weber, is a native of Lancaster County. He grew up on a dairy farm near Bowmansville, and graduated from Garden Spot High School in 1966. He graduated this past summer from Penn State. Mrs. Weber is the former Lucy Yoder from Elverson.

Before entering college, Glenn spent a term as Pennsylvania state FFA president. He interrupted his studies for another year to serve as the national FFA vice-president for the Northeast Region.

During that year, Glenn traveled some 60,000 miles to visit 120 business, industry and national organizations in 13 states. In the summer of 1970 he participated in an international agricultural seminar which visited farming operations in Haiti, Honduras and Guatemala. He took part in Ralston Purina's 1970 summer institute for national FFA officers.

Pennsylvania's former Governor Sheaffer appointed Glenn to his Youth Advisory Council for 1967-68.

At Penn State, Glenn was the Dairy Science Club's student council representative, vice-president of the Collegiate FFA, an announcer on the University radio stations, and president of the Penn State Coaly Society. He was a member of Alpha Zeta and Alpha Tau Alpha societies.

Glenn said that he expects to approach his teaching duties with the same energy he's exhibited in other areas.

Weber was named Outstanding Senior of the Agriculture College at Penn State, and graduated with honors.

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Wood-Dwelling Beetles Are Usually Harmless

Cut logs stored outdoors sometimes provide a winter home for several kinds of insects. Large beetles seen near the fireplace are likely long-horned or cerambycid beetles, says Lloyd E. Adams, Extension entomologist at The Pennsylvania State University. Over 300 species of them have been collected in Pennsylvania.

Fortunately, these beetles do not reinfest wood or lumber in a home. Adams says that most wood-dwelling beetles are harmless A good control measure is to leave firewood, and the insects asleep inside it, outdoors until time for burning

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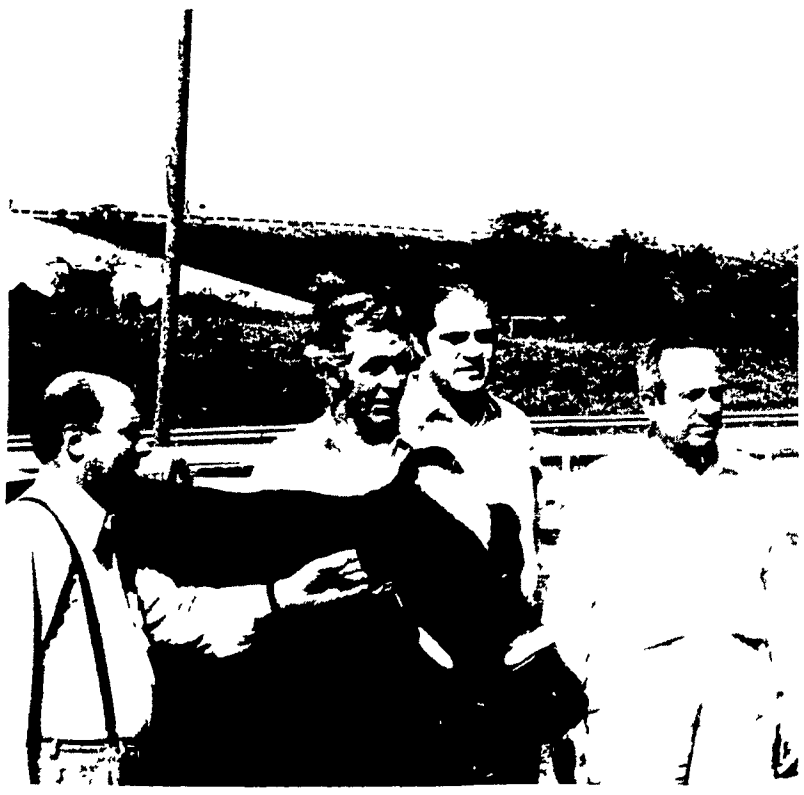
1972 Highlights

Max Smith, right, Lancaster County Agent gives Donnie Dorwart, 16, Quarryville R2, some last minute advice just before Dorwart showed his Angus steer to the grand championship at January's Pennsylvania Farm Show in Harrisburg.

Lancaster County 4-H'ers played host to 4-H delegations from Michigan and North Carolina in July. Ten youngsters came from Michigan, and are pictured here with their Lancaster County hosts.

Robert Kauffman, a dairy farmer from Peach Bottom R2, received the Quarryville Jaycees Outstanding Young Farmer award in December

Tropical storm Agnes covered the county with water in June.



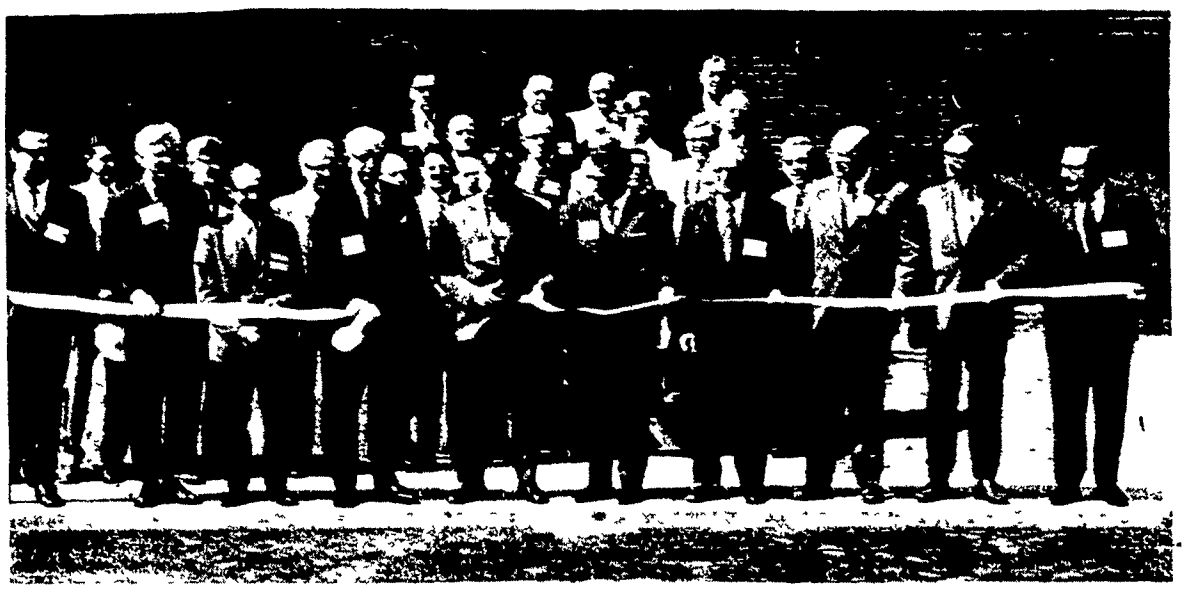
Gathered around a champion Holstein are Pennsylvania Secretary of Agriculture Jim McHale and three officials from an Italian dairy co-op. The scene took place in May during the largest export sale ever of Pennsylvania Holsteins.

Ten-year-old Robin Gicker won the calf given away during the Guernsey Field Day held in August.

Donna Jean Book, Lancaster County Dairy Princess for 1972.

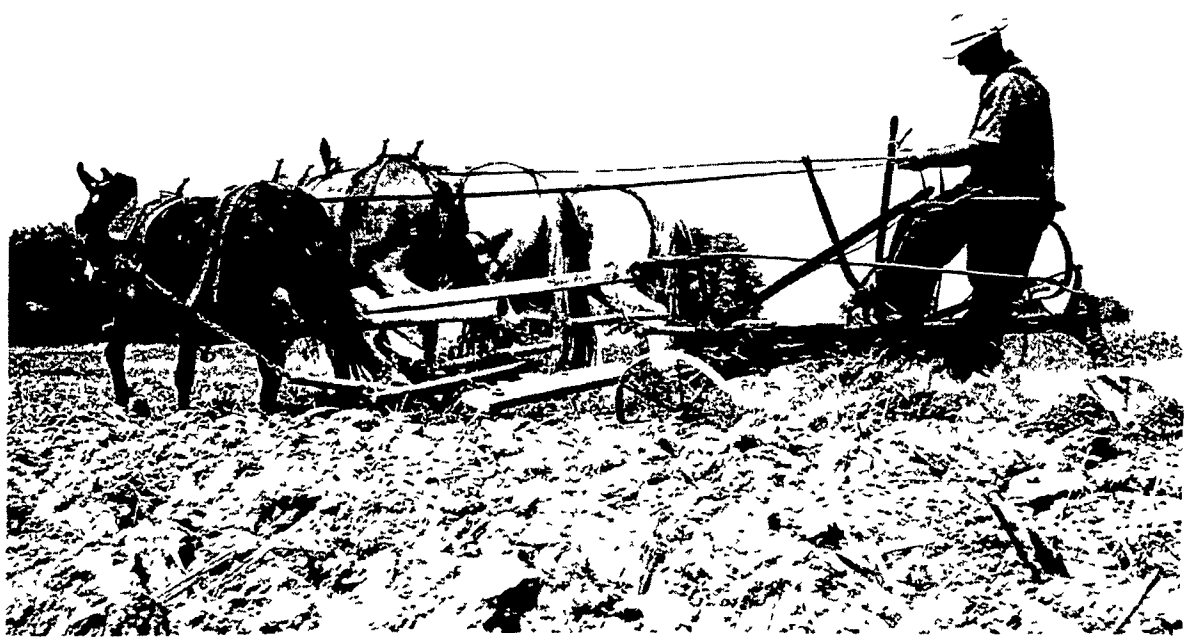
On their way to the FFA convention in Kansas City in October, the five members from the Cloister FFA Chapter dropped in on the North American Dairy Cattle Show in Columbus, Ohio. All five of the local lads entered an FFA dairy judging contest, and all five scored well. In fact, the three-man team of Paul Horning, Melvin Weiler and Marlin Smoker captured the top prize, beating out 81 other teams to do it. Left to right above are: Melvin Weiler, Daniel Hartin, Marlin Smoker, Richard Bollinger and Paul Horning.

Richard E. Lyng, assistant secretary of agriculture for the U.S., spoke in November at the annual Chamber of Commerce agriculture-industry banquet.



Members and guests of Agway look on as George Steele, chairman of the board of directors, and Richard Goddard, executive vice-president, cut the ribbon opening Agway's new distribution center near Elizabethtown in April.

The agony of victory was evident on the larded face and body of Vernon Martin, an Ephrata man who won the adult pig chase at the Ephrata Fair.



A horse plowing contest was one of the features at the Lebanon County Plowing Contest held late in the summer at the Schaeffer Farm in Schaefferstown.

Waterfowl Populations Rise at Middle Creek

Populations of some waterfowl species have just about doubled during the past year on the Middle Creek Wildlife Management Area in Lancaster and Lebanon Counties.

Charles Strouphar, resident manager of the Middle Creek Area, says that the supply of Canada geese reached 4,000 this fall, just about twice as many as in the fall of 1971.

About 3,000 of the honkers remained at Middle Creek for two months or longer this fall, and the population of Canada geese at Middle Creek is about 2,000 now.

Duck populations at Middle Creek ran between 3,500 and 4,000 for a period of two months this fall, according to Strouphar. This is about 1,000 more ducks than were at Middle Creek last year The current supply of ducks at Middle Creek numbers about 2,500.

Most of the ducks at Middle Creek are mallards About 15 or 20 percent of the ducks are blacks, while some coots, shovelers, ringneck ducks and wood ducks also are being observed.

Strouphar says there is a high population of birds of prey at Middle Creek. Included are dark phase rough legged hawks and an immature bald eagle. A thick sod has been created across much of the Middle Creek Wildlife Area, which has permitted a big increase in field mouse populations. This has attracted the unusually large number of birds of prey. There are also some whistling swans on the area.

Upwards of 500 persons are visiting the area on Sundays to observe the birds

The buildup of waterfowl on the area is a result of the excellent habitat which has been created by the Game Commission and the closing of the controlled shooting area to hunting this fall. Closure of the area to hunting has also permitted expansion of other wildlife populations.

The controlled shooting area will be opened to hunting during the late small game and archery deer season from December 26 through January 13.

USDA Proposes Hot Dog Changes

Proposed new ingredient standards for frankfurter, bologna and other cooked sausage products have been suggested by Richard Lyng, Assistant USDA Secretary.

Lyng, the USDA official responsible for the nation's meat inspection and product labeling, told the National Meat and Poultry Advisory Committee meeting in Washington, D.C.,:

"It is time to consider revising both ingredients and labeling of frankfurters and other cooked sausage products. Consumers should understand what they are buying without having to read the fine print on packages. In particular, it's time to consider taking 'meat by-products' out of frankfurters.

"By-products are both nutritious and wholesome," Lyng pointed out. "But, some housewives just don't like the idea of buying a product containing these items. Because of this, it is time to consider revising our standards. There may be some opposition from industry and cost-conscious consumer groups to what we will purpose."

Current federal standards for frankfurters have come under criticism recently—particularly in the state of Michigan. There, the state has gone to court to try to keep out federally inspected sausage.

"We will propose new federal regulations for frankfurters, embodying proposed new ingredient and labeling standards," Lyng told the Advisory Committee members. "Consumer groups, the general public, and industry will have 60 days to comment on the proposals. This will get the issue out in the open and give us a real chance to find out what the public thinks."

The proposed change in ingredient standards will be included in a USDA notice of proposed rule making, to be issued in connection with a case involving the creation, by USDA, of categories of sausage products that can be easily distinguished by the public.

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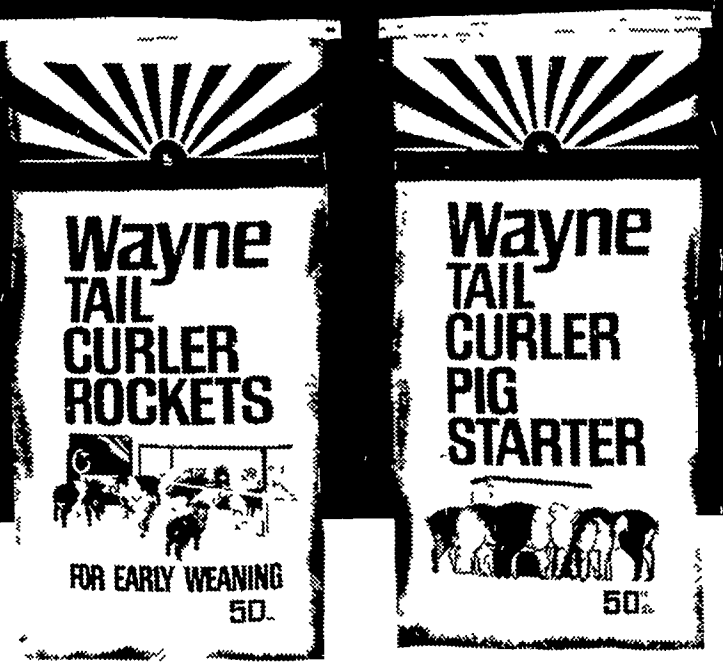

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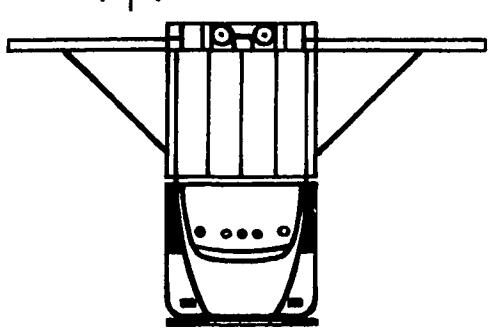

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Lancaster County Farmers Kick-Off Meeting

The Lancaster County Farmers Association will hold its annual kick-off meeting at 7 p.m. Tuesday, January 2 at the Witmer Fire Hall. Reservations are necessary. For more information, contact Jim Shertzer at 393-4732.

Speaker for the evening will be Chet Heim, legislative director for the Pennsylvania Farmers Association at Harrisburg. Heim is a former farmer from Schuylkill County.

The Lancaster County Farmers Association will be soliciting for new members in January through mail-ins and through direct contact. Anyone interested in becoming a member may mail his membership to Nathan Stoltzfus, Gap RD2, 17527, or call him at 442-4291.

During the past year, the Lancaster County Farmers Association sponsored the Farm-City Week tours, hosted Congressman Eshelman's farm tours in the County, and sent information and newsletters on meetings to members.

State-wide, the Pennsylvania Farmers Association is seeking legislation to exempt silos and some storage units from real estate tax assessments; supporting legislation to assess farmland for tax purposes based on use rather than market value; Emergency Act 515 passed, which has dropped proposed assessments in some of the Southeast counties by more than one-half; was instrumental in reserving the funds from harness racing to ag research, and continuing to work in the fight to preserve sales tax exemptions for farmers.

Farm Bureau nationally is supporting legislation to make it illegal to discriminate against members of cooperative marketing associations.

Some of the older advantages of membership in the Lancaster County Farmers Association include Farm Business Analysis, a full line of insurance, PFA Supply Company, and marketing programs for fruits and vegetables.

Voting Age Lowered To 14 By Girl Scouts

Teenagers, 14 years of age or older, may now be elected to the Girl Scout National Council, the major direction-setting body of Girl Scouts. The National Council amended the Girl Scout Constitution, lowering the age of voting delegates from the previous 18-year-old minimum, at its 39th national convention recently held in Dallas, Texas.

Evaluation - Important Part of Farm Management

By Jay W. Irwin
Associate County Agent

A great deal of emphasis is placed on forward planning, and sometimes the importance of the evaluation of past performance may be overlooked. It is true that forward planning is an essential part of progressive farm management; however, the study and evaluation of the past is no less important.

Farming is a complex business comprised of several components. To plan ahead requires a knowledge of what has happened in the past. To be able to evaluate past performances, the farm operator needs good records and an analysis of the records. Evaluation makes it possible for a farm operator to:

Compare his farm business against aggregated averages for all farms of that type; to establish production and financial checks which can be used to compare the present with future year's accomplishments and thus measure progress.

He should determine what, if any, areas of the business are not contributing to the net farm income. He will also need to identify the cause or source of trouble in enterprises which fall below average levels of production; and determine if the cause is due to natural forces, such as poor weather conditions, or errors in management.

With this knowledge, a farm operator can decide if he needs to change the distribution of hours he spends in direct labor tasks compared to those spent in management decisions.

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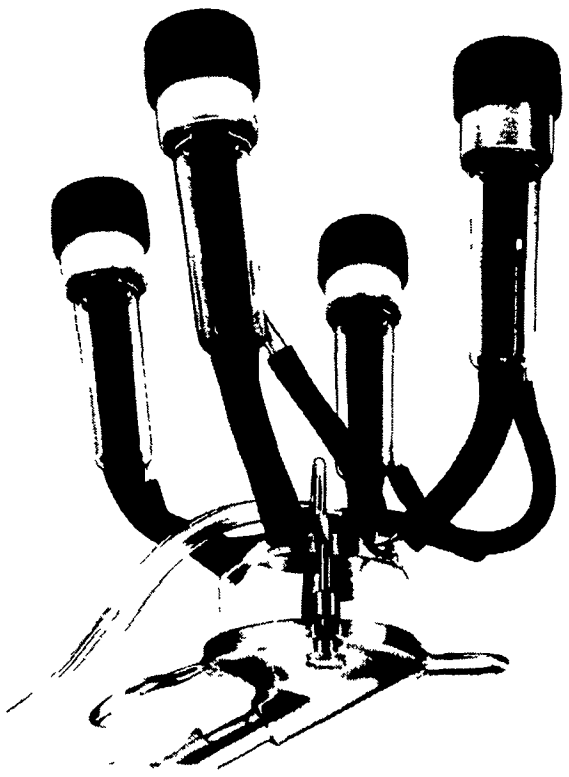

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Louis Roether

Area Student Gets County Rose Degree

A Lititz RD4 boy has the distinction of becoming the first FFA student at Brownstown Vo-Tech school to receive a degree on the County level as well as being named to one of the county offices for the oncoming year.

Louis Roether, son of Mr. and Mrs. Donald Roether, 1721 Old Rothsville Road, was named recipient of the Lancaster County Red Rose Degree and was also selected as chaplain of the County FFA Chapter during proceedings at New Holland recently.

Louis is a junior at Warwick High School and is also a student at Brownstown Vo-Tech where he is studying horticulture. He was a member of the Warwick FFA from 1970 to 1972 and was awarded the Star Greenhand degree in 1971. He has held the offices of reporter and sentinel in his local FFA Chapters.

A member of Boy Scout Troop 142, Louis attends St. Paul's E.C. Church in Rothsville and is president of this Sunday School class.

Louis owns and operates his own landscaping and lawn care business as his FFA project. James Kerr, Lititz, is FFA advisor for the Tavoca FFA Chapter at Brownstown Vo-Tech.

Protect cows

When cold winter winds blow, watch for open doors, broken windows and large cracks in the dairy barn, cautions Joe S. Taylor, Extension dairy specialist at The Pennsylvania State University. Drafts chill the udders of high-producing cows and mastitis can result, says Taylor.

Try A Classified Ad It Pays!

Experts Predict Good 1980 Beef Supply

Circa 1980, the pessimist said, supermarkets will advertise beef as "the early bird special"—meaning, if you don't get it early, you might not get it at all.

Draw a big "X" through that prediction The U.S. cattle industry won't let it happen.

Beef will not become a scarce commodity from the way things are going

According to a nationwide opinion poll of 295 experts in the livestock raising industry, cattlemen will rise to the challenge of upping beef output by a third between now and 1980.

That's an increase needed to meet the projections for consumption The USDA's Economic Research Service foresees total beef use as reaching 29 billion pounds in 1980, or enough to allow consumption to climb to around 127 pounds per person from this year's 114.

Experts' credentials

The panel of experts were selected for their ability to help shape the future of cattle raising in their States. Holding positions of leadership or decisionmaking, the 295 experts included State and area extension specialists in beef, milk, forage production, and farm management and livestock marketing, directors of State beef cattle associations; prominent cattle producers; and persons from financial institutions.

ERS asked the panel members, who remained anonymous to one another, to assess the future potential of U S. beef production. Specifically, each expert was to estimate the relative importance of certain factors and the rate of adoption of production practices that would affect the number of cows in his State and the productivity per cow.

The panel gave cattle prices a high ranking among factors influencing cow numbers. The consensus was that the price of a choice steer calf (450-500 pounds) would have to exceed $35 per 100 pounds to give strong encouragement to expansion of the beef cow herd. Moreover, the experts generally expected to see prices top that level. Measures to reduce the farm beef price below the necessary level could seriously threaten the industry's ability to meet the expected demand

Grand tally

All factors considered, beef cow numbers nationwide were estimated at 46 million head in 1980—9 million more than in 1970. A herd of this size could supply nearly 23 billion pounds of beef. Adding production from the dairy herd (estimated at somewhat over 4 billion pounds) and net imports (almost 2 billion pounds) gives the total beef supply in 1980 of 29 billion pounds.

Why so much attention to beef cows in this study? As explained in the ERS report which summarizes the opinion poll, the U.S. beef cattle industry has neared the end of a major development phase.

During 1950-70, beef production doubled. Cattlemen did this by (1) switching from dairy cattle to beef cattle as consumption of dairy products dropped, and (2) by feeding grain to a larger share of the calf crop to bring animals up to 1,000-pound slaughter weights, rather than slaughtering them as calves.

End of an era

Now nearly all calves are being placed on feed, so increased grain feeding offers limited potential for adding to the beef supply. And though the dairy-to-beef shifts may continue, this also is approaching the completion stage for the most part.

Thus, the major addition to the beef supply during the seventies has to come from expanding the number of beef cows.

The experts expected increases in cow numbers in all regions and all States, except in the Northeast for which no projections were made because beef production is of minor importance.

There will, however, be great differences among States and regions in both relative and absolute growth in beef numbers. Generally, the humid regions—where crop-livestock farms predominate—will show the largest expansion relative to other areas. Most of the expansion in beef cow numbers in regions where specialized ranching is common will also occur under mixed crop-livestock systems.

Here's a brief rundown of the regional prospects as viewed by the experts:

Cows in the Corn Belt

This region will enlarge its beef cow inventory 37 percent during 1970-80 to 6.7 million, with four-fifths of the increase in Missouri and Iowa. In Illinois and Indiana, expansion will be small due to the high proportion of good land and intensive row crop farming. Overall increases in the Corn Belt will reflect further enlargement of farms, favorable prices for feeder calves and a shortage of feeder cattle in the region, also relatively low grain prices and strong potential for forage production. Beef cow enterprise should not be encumbered by the waste management problems associated with large cattle feeding and hog operations.

National pacesetter

The Lake States are expected to have the sharpest increase among major cattle regions—49 percent, bringing the herd to 1.3 million in 1980. Expansion will occur mainly in Wisconsin and Minnesota. Reasons for the increase are much the same as in the Corn Belt, with the additional incentives of a good potential for grass legume forages and a continuing shift out of dairy production.

The Southeast's inventory will swell 29 percent of 11.8 million head for a total gain of 2.6 million. This represents about 30 percent of the increase expected nationally, though the Southeast's expansion won't match that of the 1950-70 period. Kentucky's share of the regional total will rise 2 percent between 1970 and 1980, while Florida's drops 1 percent. Factors favoring the buildup: reduced acreages of cotton and tobacco, more specialization in farming, farm consolidation, increasingly scarce and costly farm labor, technological improvements in forage production and use, and a steady trend toward part-time farming.

Plains Gains.

The Northern Plains is expected to add roughly 2 million beef cows, up 33 percent, for a total of 8.5 million in 1980. The four States in this region will each gain by approximately the same percentage. Most of the expansion is marked for the eastern half and third of the Northern Plains. Cattle raising will be encouraged by improved output and utilization of forage crops, and—though the panel had dissenting opinions—a shift from grain to forage production may also play an important role.

The Southwest's estimate puts the inventory at 9.7 million head in 1980—8 percent more than 10 years earlier. The experts project a slower growth rate than in the eastern U.S., partly because of the large initial base of herd size and partly because of limited potential for greater production. Oklahoma will come in for a higher percentage increase than either Arizona, New Mexico, or Texas. But Texas will top the others in terms of sheer numerical increases. Expected gains in this region can be chalked up to better forage production and expanded cattle raising in general, especially along the Gulf Coast and southeastern Texas. In range areas, there will be a shift from sheep to goat enterprises, but in other areas, overgrazing and transfer of grazing lands to alternative uses will reduce the number of beef cows.

Mountain region v. U.S.

The Mountain States' projection indicates nearly the same rate of increase in cow numbers as for the Nation as a whole—21 percent during the 1970's, putting the total at 5.7 million in 1980. Little change is anticipated in Utah and Nevada because of the arid climate and full utilization of existing forages. In other States, the increases will come partly from technological advances in forage production on rangelands. As elsewhere in the U.S., most of the grains will be in the crop farming sections.

The Pacific region will add about 0.2 million beef cows by 1980 (10 percent), with modest increases in all States. Competing uses of land will contain expansion of cow herds in the cropping areas, and the rangelands have the same limitations as other western States.

Altogether, these regional changes point to a national increase in beef cows of 24 percent for the 48 States betwen 1970 and 1980. The growth rate foreseen by the experts is substantial any way you look at it. On this point, the experts reached a meeting of the minds.

(Continued On Page 19)

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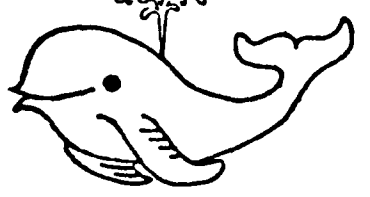

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Charting a Smooth Course for Eggs

It's long been one of the egg industry's major problems: instability of output and prices. Hence, instability of income for the egg producer.

And so this was one of the leading problems considered by USDA's egg marketing team when it began its study of the egg industry earlier this year. Unlike many other businesses, the egg industry has not had the cushion of increased demand within which to solve its supply problems.

Demand drops

Per capita demand for shell eggs has dropped sharply since World War II. Back then, each American ate roughly 385 eggs per year—compared with about 322 today. Mainly blamed are changing eating habits—particularly the shift away from large breakfasts—and adverse publicity linking cholesterol (which egg yolks contain) to heart disease.

Because shell eggs lack any close substitute, have no large secondary market, and are largely preferred as a fresh product, demand is highly inelastic. The result: slight changes in egg supplies produce large changes in prices.

Instability of output and prices plague the industry on both a seasonal and a cyclical basis.

Seasonal oversupplies stem from traditional layer hen placement patterns that cause production to peak in the spring months. Producer prices usually bottom out in May, and pick up as supplies begin to contract later in the year.

Lengthy price dips

Of greater concern is the egg price cycle. Unlike seasonal ups and downs, cyclical fluctuations in recent years have been marked by long price troughs and short price peaks. Cyclical price movements of 3-4 years duration since 1965 have resulted from unexpected changes in demand, and technological advances that produced sharp increases in supply.

The egg marketing team cited several methods to stimulate demand and alleviate price depressions.

To smooth over seasonal price dips, the industry should step up promotion of fresh shell eggs. The value of eggs as a protein source, and favorable consumer prices should be emphasized. This may prove the quickest way to ease seasonal surpluses, as table eggs move through marketing channels in a matter of days.

Processed eggs

A second move against low seasonal returns is to develop processed egg products that are easy to prepare, have long shelf lives, and are acceptable substitutes for other food products. Manufacturers would tend to concentrate production when prices are seasonally low.

The marketing team also recommended that government agencies that regularly purchase eggs for various distribution programs should expand and coordinate purchases during low seasonal price periods.

Regarding prolonged lows of the egg price cycle, the egg marketing team noted that demand expansion programs should make reasonable price levels their goal. This is to prevent prices from dropping so low that producers incur large losses or leave the business in excessive numbers.

Clearing the market

The team added, however, that prices should not be maintained at such high plateaus that markets aren't cleared and public agencies accumulate large supplies.

The marketing team saw promotion and development of processed egg products with wide consumer appeal as one way to smooth cyclical as well as seasonal price depressions. Substantial demand for processed egg products might give rise to a broad base egg market with a relatively stable "floor" price.

The egg team noted that government programs might have to be expanded considerably during long price troughs. For example, foreign distribution of high protein egg products might be enlarged under P.L. 480.

Many developing nations are approaching self-sufficency in carbohydrate feeds, but most lack sufficient protein foods. Large quantities of shell eggs could be processed into foods with build-in appeal for consumers in these countries.

Expansion of the School Breakfast Program, which uses large amounts of both shell and processed eggs, would provide a broad domestic outlet.

The School Breakfast Program currently feeds 1 million breakfasts a day (180 days a year) in 8,000 schools. Enlargement to 30,000 schools and 4-5 million breakfasts a day is under consideration.

Several other programs that could increase demand are the Nonschool Feeding Program, conducted during the summer months, and the Child Day Care Center Feeding Program.

Another possibility is USDA's Commodity Surplus Disposal Program, which provides surplus commodities to the needy. During periods of low egg prices, large shares might be purchased for current and future distribution. Purchases could be moderate as prices rise.

Though government programs can have a significant impact on egg use, the egg industry itself must play a larger role in lifting demand.

Limits on expansion

The marketing team also cited the need for limits on supply expansion as fundamental to realizing long-term benefits from increased demand.

Previous promotion efforts by the industry have often been fragmented, underfinanced, and short-lived. The marketing team suggested that promotion could be better coordinated if funded through a national "checkoff" program.

Under the program [illegible]g producers would contribute a set amount per case to a national egg board. The funds would be used—according to predetermined guidelines—to finance promotional and research efforts on a prevasive, nationwide level.

1980 Beef

(Continued From Page 18)

Turning to the factors that would tend to encourage or discourage expansion of cow numbers, the opinions varied. Nonetheless, ERS found some common threads:

Government's role

The majority of the panel members believed that public policy would favor continuing programs to spur expansion of cattle raising. But the respondents felt the impact on beef production would be greatest if accompanied by incentives to shift cropland to forage production on a whole-farm basis.

Beef production in the future may be influenced by restrictions on antibiotics. "How much so," the ERS report said, "will depend on which drugs are withdrawn and what substitutes are found." Increased regulation of herbicides, pesticides, and fertilizers could check crop output and raise forage production.

Higher calving rates would directly contribute to beef supply—they're expected to rise from 90 percent in 1970 to 91.6 percent in 1980—as would lower calf death rates, which are likely to decline from the 5.8-percent rate of 1969.

Though larger herd sizes will be the case in 1980, a high proportion will still remain in small herds, averaging under 50 head.

About calf weights, the panel figured they'd average about 50 pounds heavier for a 205-day-old steer calf in 1980 for the eastern half of the country, and almost as much in the Southwest. Weight gains would result from improved selection of breeding stock, crossbreeding, and improved nutrition of cows and calves.

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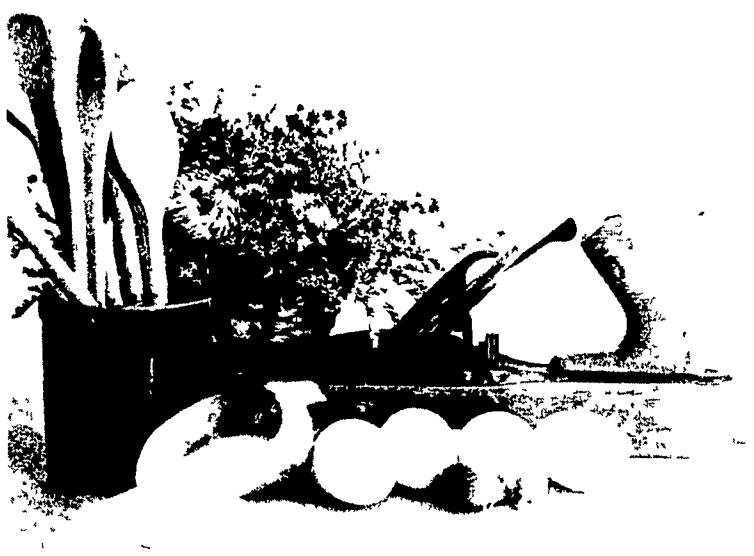
Homestead Notes

Pat Erway, Editor



Lettie Schadler . . .

Likes Busy, Hectic Schedule

By Sally Bair
Feature Writer

"I love my job. I find it very exciting." These two simple statements show clearly how Mrs Alletta Schadler feels about her career as Lebanon County Extension home economist. As she talks about her job, one quickly sees that she means what she says

"I receive great satisfaction in working with families—helping them think through their problems reach a decision and be happy with the solution."

She adds "I am very impressed in working with farm families to see the real partnership and teamwork It is great to see the husband take time off to discuss problems which concern the home, and women are real team members I really think this is a great kind of way to live"

'If anyone working in Extension is bored," Lettie says, 'It's their own fault" She quickly adds that this is one job where one really doesn't know what the day will bring "As soon as you think you have a free day to work on files, you find yourself telling how to get silly putty out of a closet lock, or what to do when your child throws a box of crayons in an electric dryer while it is operating"

Providing programs for homemakers, working with Lebanon County's 19 Farm Women Societies and making home visits are all part of Lettie's job, but she is often busy in activities not considered traditional for extension home economists.

"Being active in the community is a good way to spread the word of Extension and show its aim and accomplishments," Lettie says "Working with a wide cross-section of people helps show that Extension is no longer strictly for farm people"

To back up her beliefs, Lettie is active in community development work, zoning education and working with the Farmers Home Administration in obtaining rural housing She is also helping to establish a family planning agency for the county

Her interest in zoning education began last year when she participated in the Kellogg Public Affairs Leadership program where there was emphasis on land use planning and public affairs in general

She talks enthusiastically about her first zoning education project "There were four townships in the northern part of the county which had done nothing in the way of passing zoning ordinances or planning for future growth These counties have been experiencing tremendous growth because of the proximity of Interstates 78 and 81 and the Penn National Race Track, and not all of it has been desirable."

Lettie holds a cookbook of favorite recipes published by the Lebanon County Home Economics Association. Lettie was co-editor.

One township wanted to tackle the problem so Lettie worked closely with a Township Supervisor who is also a Problems of Democracy teacher in setting up an educational program prior to actual zoning discussions. Students in the POD class became involved and hand-carried invitations to the initial meeting to every taxpayer in the township As a result over 150 people attended the meeting and they asked questions for an hour after the panel discussion.

Lettie says, "It was tremendously exciting to see the response and to see that this approach to the problem worked" "Now," she says, "Two of the remaining three townships have decided to hold similar educational meetings for their citizens

Lettie works closely with the Chamber of Commerce and is on the Lebanon Valley Safety Council. She is a special member of the Lebanon Valley Retailers Committee and works with them "in carrying out consumer education programs which are offered to high schools, service clubs, women's clubs and are designed to increase understanding between the merchants and the consumers."

She serves on the board of Community Chest and is active in the Lebanon County Home Economics Association. Lettie served as co-editor of a cookbook of favorite recipes published by the Association.

Another success story Lettie likes to tell is about the urban 4-H program for Lebanon. She said, "About six years ago the County Commissioners grew concerned about the growing problem of juvenile delinquency in the city and felt it was a result of not enough activities for the young people. There was a play ground program, but the Commissioners felt it was not sufficiently meeting the need."

So the Commissioners made a grant to the Extension service to provide an urban 4-H program, and although it was small at first it reached 435 children in 1971 and 715 this year The program is supervised by four Extension aides hired for the summer and by teen leaders from around the county

Lettie says, "The aides have done a magnificent job, and it has helped give the rural teen leaders a chance to become aware of the problems of the inner city. It also gives the teen leaders an opportunity to provide leadership skills."

"We have received recognition and support from the city council, the County Commissioners and the townspeople," Lettie says proudly.

Their big project this past summer was having each child plant a tomato in a recycled paper pot. The urban 4-H'ers first held a paper drive and collected over three tons of paper, which a local firm recycled into paper pots. "It became a real community effort," Lettie says, "A local greenhouse donated tomatoes, seven paint dealers donated paint for the pots, soil was given by the Fair Board, a farmer gave lathes, fertilizer was supplied by a chemical company and a trucking firm helped haul the soil from the fairgrounds."

She adds, "It was a very successful project. Unfortunately, the tomatoes were three weeks behind because of the distruption cuased by Agnes, so they weren't ready for harvest until September."

The ten urban clubs also go in for the more traditional 4-H programs such as making crafts. They even made homemade ice cream for their final meeting. Field trips have included visits to horse farms, judging operations and the Hershey Chocolate Factory, all courtesy of a county-owned bus supplied by the County Commissioners.

"Ultimately," Lettie says, "We hope to develop urban children into teen leaders to assist with the city clubs and to recruit adult help."

Because she is relatively new in Extension—her third anniversary was in December—Lettie feels she isn't qualified to talk about changes.

But as she looks to the future, she says, "Extension is making more of an effort to meet the needs of groups such as the elderly, young mothers and the special concerns of women and families. I see us as being more concerned with the stage of life cycle: for instance, meeting the specific needs of the elderly."

She feels Lebanon County is already focusing on this problem, having had an Office of the Aging and the Meals on Wheels program for several years. The county also has a foster home program for the elderly and several housing units.

Lettie said, "Extension will be doing more work with the disadvantaged and with young families, helping working mothers to utilize their limited time and energy to their best advantage."

Being a Lebanon County native is a big asset in her job, she said. She was born in Fredericksburg where she now resides, but was graduated from Bethel Township High School in Berks County.

Lettie is the daughter of State Senator Clarence Manbeck, and when asked if it is a help or a hindrance to have a well-known father, she said, "With a father like I've got it's never a disadvantage."

She added, "It's nice to have someone in touch with what's going on and someone to turn to." Since she works so closely with people, Lettie said, "It helps me have a better appreciation of his job. We often discuss people's problems. He does a good job of keeping in touch with his constituents."

Lettie was a Commerical Consumer Services major in the

(Continued On Page 21)

Lettie Shadler discusses a problem with one of the many homemakers who drop by the office for specific answers. She spends a lot of time answering telephone requests for assistance and information.

Likes Busy

Continued From Page 20

College of Home Economics at Penn State, a major which she describes as being "business and home economics."

Her first job was with Metropolitan Edison Company in Reading where she worked for two years. She was then transferred to Lebanon where she helped design the home living center in their office building. After seven years, she was promoted to Director of Home Economics for the entire Met Ed area which includes Easton, Lebanon, Reading and York. In this capacity, she had nine home economists working under her. After three years she went to work for Extension.

The way Extension work is organized, Lettie says, "It gives you a good opportunity to keep in touch with people, and really do something about problems which you see about you. It gives me great satisfaction to see the end result of my work. You can see changes which have taken place and know that people appreciate your help because they report back."

Spare time is rare, but Lettie enjoys "cooking, sewing, reading and crewel embroidery." She also mentioned that she can barbecue a few hundred chickens on occasion, something she has done for members of the Distelfink Aero Club, an organization for local couples who fly.

Her husband Bill is the flier in the family. He is a licensed instructor and an "avid aviation fan." His hobby is rebuilding airplanes which means the Schadler home is often filled with airplane wings, engines and spare parts. A graduate chemist from Lebanon Valley College, Bill is employed by Hamilton Techology, Inc. as an engineer. He hails from Richland, Lebanon County, and he hopes to be accepted at Dickinson Law School soon.

Life is very busy for Lettie, sometimes hectic, but she says, "That's just the way I like it."

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Ladies, Have You Heard?

Doris Thomas

By Doris Thomas, Extension Home Economist

Well-Groomed Inner Self

The beginning of a new year is the time when most people are usually more conscious of "starting over", of making resolutions . . . and of taking stock of their two selves. It's usually easy to see what can be done with the outer self . . . it's plainly visible. But let's look at what can be done to the other side of the mirror . . . the inner self.

What goes into a well-grommed inner self? These ingredients vary from person to person, yet there are certain ingredients usually found in a pleasing personality. It'll take a daily appraisal of attitudes, emotions, personal traits, and accomplishments to find out about yourself. So, at the end of the day, stop and think . . . what nice things happened today, and how did you contribute to making them pleasant? Did you accomplish all that you hoped to? Did you communicate well with others?

If you're objective in your thoughts . . you'll realize that most persons are a composite of good and poor qualities. And it's up to each person to develop his best traits. Minimizing undesirable qualities calls for hard work and self-discipline. After all, few persons find it easy to admit they've made a mistake or have shown unwise judgment.

Patience, perserverance, and humor can help a person hurdle his difficulties Mix those three ingredients with such personal characteristics as honesty, integrity, and loyalty . . . add a dash of generosity, thoughtfulness, and sincerity and you'll have a well-groomed inner self that others will respect and like

A Taste of Apples

Too busy to cook? Too busy to fuss? But not too busy to want to enjoy a real delicious fruity flavor in desserts, main dishes and garnishes? What's the answer? - Applesauce, of course, that convenience food that rates a special place on the efficient homemaker's shopping list.

Add applesauce to your food preparations and you'll add a flavor hard to beat in taste appeal Since the U S Department of Agriculture's Agricultural Marketing Service says applesauce is now plentiful and reasonably priced, this is a good time to add plenty of applesauce to your desserts, garnishes, meatloaves, baked beans, sweet potato casseroles, and scores of other dishes

Serve applesauce as is, if you prefer, it tastes delicious. Or add a touch of cinnamon, peppermint, cranberry sauce, or pineapple for variation. Use it as a topping for pancakes, muffins, waffles, rice pudding and custards. Include it as an ingredient in a meat loaf instead of another liquid. Bake an Applesauce cake, cookies and breads - they'll fill your home with a heavenly aroma. Or melt mint jelly and mix it with applesacue as a go-with for turkey, lamb or pork.

For a special occasion try this sumptuous Applesauce Chiffon Pie if you want to please the family and friends:

Applesauce Chiffon Pie

3 egg yolks, slightly beaten
1½ cups applesauce
⅛ teaspoon ginger
¼ teaspoon cinnamon
½ cup milk
1 tablespoon lemon juice
½ teaspoon grated lemon rind
½ cup sugar
1 tablespoon gelatin
¼ cup cold water
3 egg whites
¼ teaspoon salt
9-inch baked pastry shell, or graham cracker shell
Nutmeg, if desired

To prepare:

Mix the egg yolks, applesauce, ginger, cinnamon, milk, lemon juice and rind, and half the sugar

Cook over low heat, stirring constantly, until mixture thickens. Sprinkle gelatin on water, let stand a few minutes Add gelatin to the hot mixture, stir until dissolved Cool until thick but not set

Beat egg whites until foamy Add salt and beat until stiff Add rest of sugar slowly, beating constantly

Blend egg white mixture with thickened gelatin mixture Pour into the pie shell and sprinkle with nutmeg, if desired Chill until firm

'71-72 Farm Debt Outpaces Assets

Farm assets went up by $24 billion from the start of 1971 to 1972, and exceeded $339 billion on January 1, 1972.

Farm debt during the same time increased at a faster rate, up a record $5.8 billion to $66.9 billion. The debt-to-asset ratio was thus raised from 19.4 percent in 1971 to 19.7 at the start of '72.

That was the picture for all States except Alaska and Hawaii, the USDA's Economic Research Service reports in a balance sheet compiled for 1972.

Two-thirds of the advance in asset value during 1971 was due to a record $15.6-billion increase in the value of farm real estate. Most of the remaining third came from increases in value of livestock, machinery, and motor vehicles.

About two-thirds of the rise in farm debt was in non-real estate debt and the remainder was in farm mortgages.

Total realized net farm income of farm operators dropped from $16 8 billion in 1970 to $16 billion in 1971. Realized net farm income per farm slipped to $5,560 in 1971 from $5,740 in 1970.

On balance, the structure of farm asset values has changed relatively little since 1940. Except for a few years, real estate has accounted for about two-thirds of total value of farm assets.

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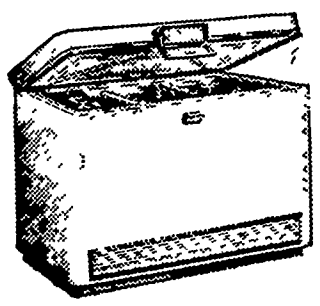

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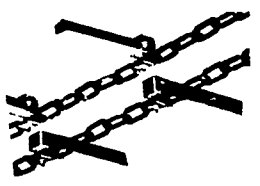

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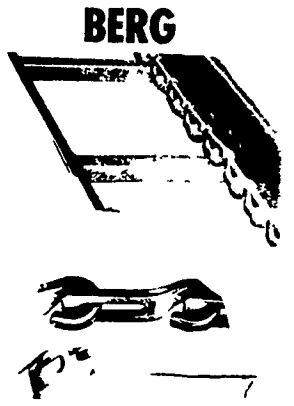

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Rural Bankers Reveal Farm Loan Guides

How does a banker size up potential agricultural borrowers?

Commercial bankers in the South Central Great Plains, according to a recent survey, determine an individual's loan limit by measuring his:
current financial situation;
past repayment performance;
available collateral; and
purpose of the loan.

Bankers were asked if a farmer's participation in Government programs also affected his loan limit. Some bankers replied that if participation is a farmer's most profitable alternative, it should be a requirement for securing a loan.

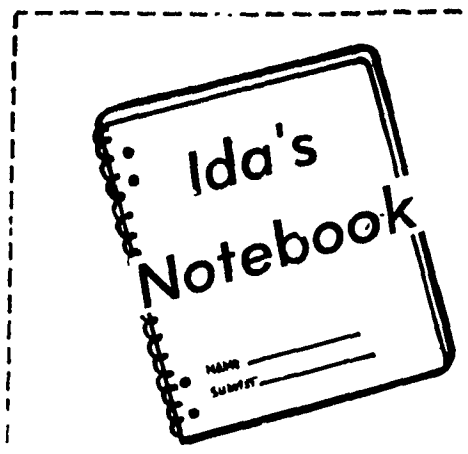
Though the bankers indicated they didn't analyze the effects of Government programs on individual situations, most said they considered Government payments when projecting the gross income of the borrower.

Land was generally not used as collateral on short-or intermediate- term loans. However, bankers said they allowed substantially higher loan limits on full and part owners than on full tenants. Full tenants must secure loans with machinery and equipment or a compensating balance.

Bankers felt that the borrower's tenure status, loan purpose, and overall financial condition were more important in setting collateral requirements than size of the loan request. Nevertheless, some banks required that collateral equal at least 30 percent of the loan value.

The prevailing interest rate in the South Central Plains was 8 percent at the time of the survey (February 1972), though 9 percent was generally quoted in the western part.

Individuals who ranked in the bankers' "best risk" category could secure loans at 7½ percent annual interest. Borrowers that were considered poor risks were often charged at least 9 percent. Some of the banks reported outstanding loans carrying a 10-percent annual interest charge.



Ida Risser

It seems that this year the weather has been the subject of much discussion between farmers. We had the flood in June, dry weather in August, and yet a record rainfall for the year.

Our lives seem to be like the weather—sunny days, rainy days, and some so-so days. When a cow is lost, the feeder chain breaks, the vacuum pump stops, and your little girl steps on a nail, it is surely a dismal day. But then there is the day when the milk inspector says everything is okay, your husband praises your apple pie, your children get mostly A's on their reports and your Christmas cactus blooms on time.

So, as we come to the end of another year, we are glad to have our health and our families. We remember the past but look to the future.

xxx

I've been doing some more painting. The trouble with this work is that one thing leads to another. After the new wallpaper is hung, the woodwork doesn't look so good. Then when the new stair rail is painted and in place, the steps need a new coat of varnish.

Much as I enjoy painting, I'm hoping to lay down my brushes for a few weeks at least and do some embroidery again.

xxx

Often we become so staid in our ways that we really resist change. Yet, I've often found that when I must substitute an ingredient in a recipe it turns out to be a better dish than usual.

Children aren't set in their ways and the other day when Cindy could not find her pocketbook when it was time to leave for the school bus, she found another place for her lunch money. She simply took off her stocking cap and dropped the change down into the tip of the cap and off she went.

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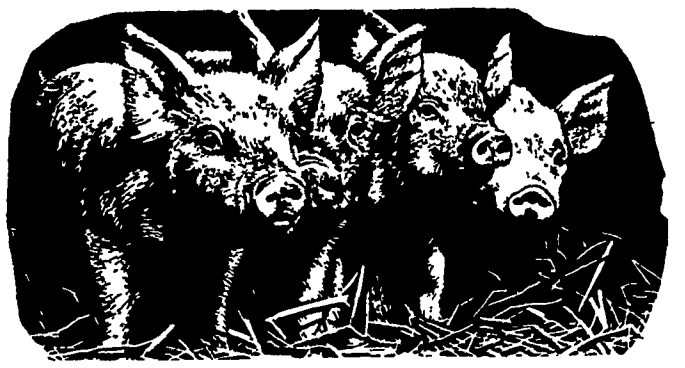

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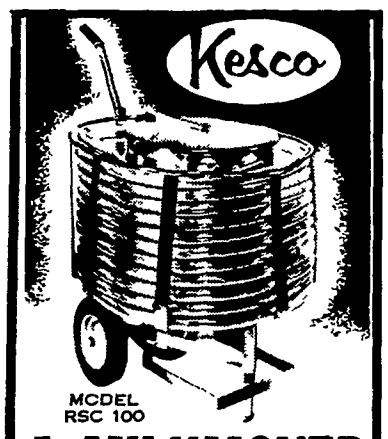

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Hay Shortage Said to be Nationwide

"The 1972 hay production and marketing year has been a very difficult one in which to produce and ship quality hay needed by feeders in many deficit areas," Neil Trainor told the 78th annual convention of the National Hay Association at Troy, Michigan.

"And the problem this year has been made more acute by two circumstances. First, the ares needing hay include counties in some states which usually have a surplus of hay to be shipped. Pennsylvania is an example.

"Second, unfavorable weather for growing and harvesting hay reduced by millions of tons the amount of hay that is considered to be of good quality," Trainor concluded.

Hay has seldom been shipped from the irrigated regions of the west coast states to the east coast, but this occurred in 1972.

The transcontinental movement of hay this year has been for feeding race horses, according to Mathews.

By December 31st approximately thirty million tons of hay will have moved into channels of trade from the farms on which it was produced. The rapidly increasing horse population accounts for no small part of the demand for high quality hay. The buying of hay produced in this country by importers in Japan, Mexico and other countries for feeding race horses is increasing each year, according to the N. H. A.

"A fellow we know is putting all his money in taxes. He says it's the only thing he is sure will go up."—**William R. Lewis,** The Lynden (Wash.) Tribune.

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FEED LETTER
MHA!

There has been quite a lot of talk about methionine hydroxy analogue lately, as an addative to dairy feeds. Some claim increased milk production, some say it helps fat test. There is other benefits too, so I hear.

Well digging through my files I came upon a paper out of the University of Illinois about the subject. I'll share some of it with you. "It must be kept in mind that these implications are based on a very few observations and have not been substantiated in other controlled experiments." "However in this study, the groups of cows were not balanced for milk production prior to the start of the experiment, which makes it difficult if not impossible to establish the effect of feeding MHA on milk production." "The results showed no beneficial effects of methionine feeding on milk produciton or protein content of the milk."

The rest of the report is available on request.

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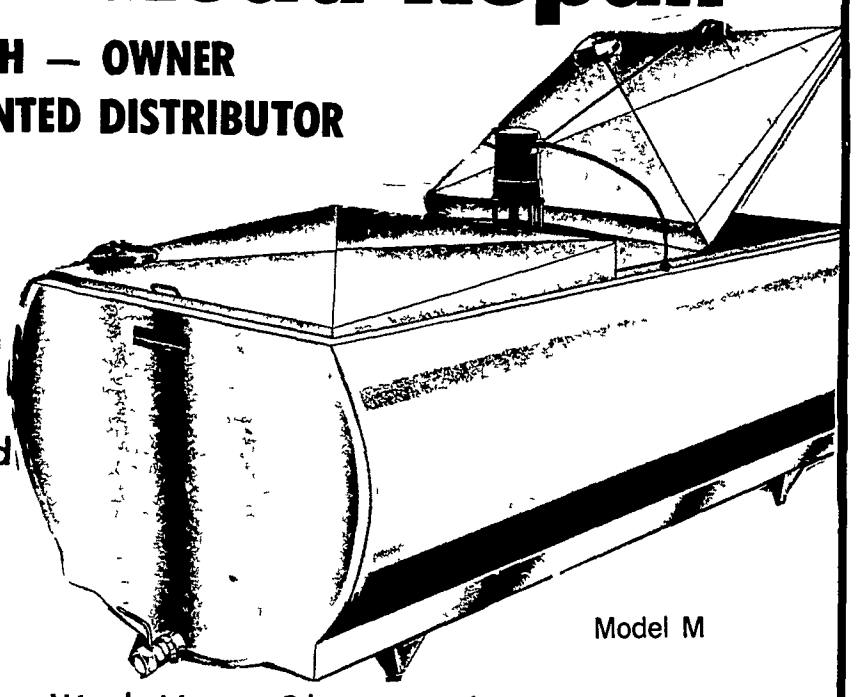

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by Laurence M. Hursh, M.D.
Consultant, National Dairy Council

VITAMIN INTERRELATIONSHIPS — I

(First of a four-part series of articles)

Except for weight control, vitamins are probably the most discussed factor when people talk about nutrition. The public is certainly conscious of proteins, fats and carbohydrates. Minerals, too. But vitamins are the elements that everybody talks about the most Advertising of vitamin pill manufacturers obviously stimulates a great deal of this dialogue.

Is this good? What I mean is, is this preoccupation with vitamins a constructive factor in American health?

I think the best answer to that is a qualified "yes" Certainly, it's good that Americans think about any aspect of nutrition But it surely would be better if people really understood the functions of and the need for vitamins.

More Balanced Diets

If people ate more balanced meals, a lot of vitamin pills would not be sold In general, the eating of a nutritionally adequate diet from a wide variety of foods will seldom result in a vitamin deficiency If people understood this better, they'd save money.

So today, and for the next three weeks, we'll talk about vitamins The subject can be complex — but I hope to keep it simple.

Perhaps the most important thing about vitamins is their relationship to other parts of our food Vitamins themselves, for example, have no caloric value That's one reason why you can't simply go on a diet of vitamin pills and live very long

But in our food, vitamins are always accompanied by food elements that do give us calories and other essential nourishment such as protein, fat, carbohydrate, and minerals.

The More We Study

And the more we study nutrition, the more we find that nature is extremely wise in forming our foods For, generally speaking, vitamins are usually present where they are needed, and in safe amounts

What do I mean by that? Just this. The vitamins we need are present in many foods — allowing you to choose from a wide variety of foods and still get all the vitamins you need And while too much of some vitamins can be bad for you, ordinary eating habits are such that toxic amounts of one or more vitamins are almost never obtained from food alone Only food faddists and people who treat themselves with high-potency vitamin preparations or tablets run the risk of vitamin toxicity.

More on vitamins next week.

Hersheypark Seeks Helpers For Summer

Jack Silar, personnel coordinator for Hersheypark, has announced that applications are now being accepted for employment in Hershey-park during the 1973 season.

The 1973 park season will run from May 19 to September 3, Labor Day. Potential employees will also be required to attend a two-day employee seminar, May 12 from 9 A.M. to 4 P M. and May 13 from 1 to 5 P.M.

Hersheypark's expansion and redevelopment program has created a greater need for employees than ever before. Approximately 850 summer employees will be needed to operate Hersheypark this season, making it one of the largest employers of summer help in the state.

This summer the park will open two new theme areas—Tudor Square, a 17th century English village, and Rhine Island, an 18th century Bavarian German burg, plus the Grand Concourse, Hersheypark's new entrance. All employees will be approximately costumed in the native garb of the theme area being portrayed.

Interested persons, 16 years and over, should write to Personnel Department, Hersheypark, Hershey, Penna. 17033, or phone 717 534-3926 for an appointment. The Hersheypark Personnel office is located in the Hersheypark Arena

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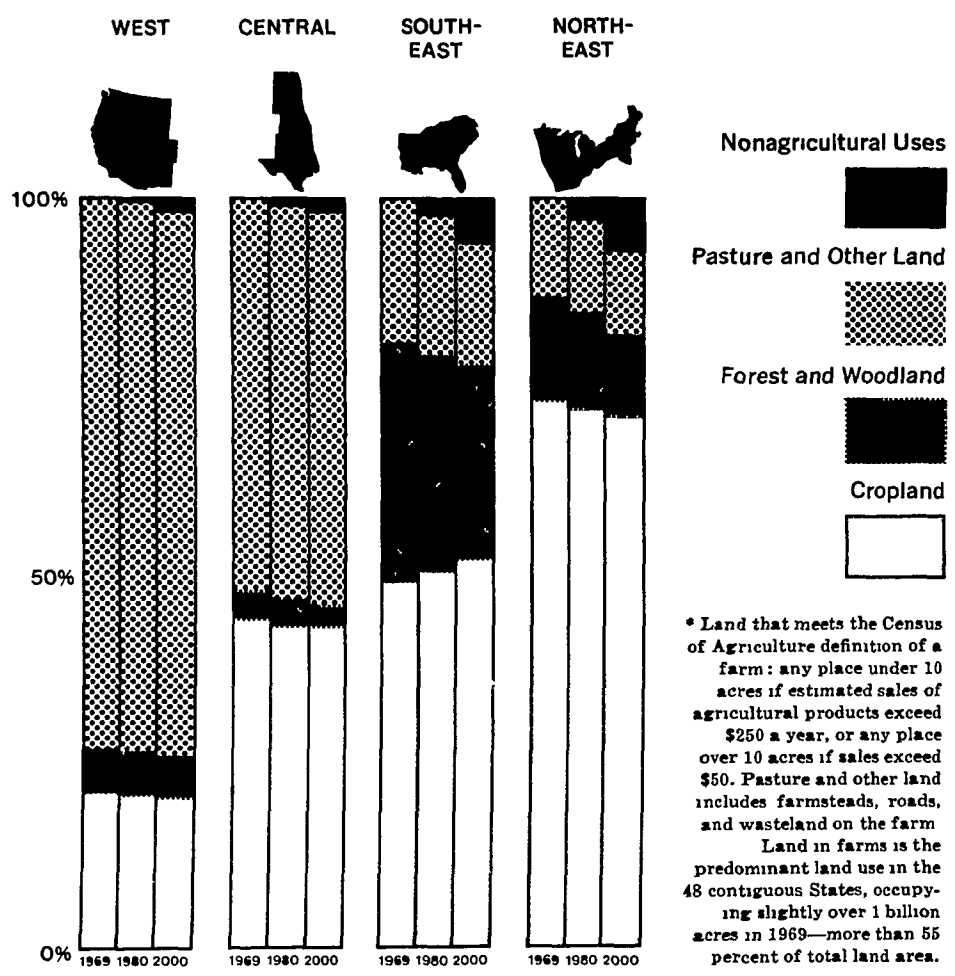
Is the U.S. Running Out of Farmland?



* Land that meets the Census of Agriculture definition of a farm: any place under 10 acres if estimated sales of agricultural products exceed $250 a year, or any place over 10 acres if sales exceed $50. Pasture and other land includes farmsteads, roads, and wasteland on the farm

Land in farms is the predominant land use in the 48 contiguous States, occupying slightly over 1 billion acres in 1969—more than 55 percent of total land area.

Each year for the past 10 years, like giant hens, cities have pulled nearly three-quarters of a million acres of countryside under their wings

Roads and airports covered another 130,000 acres of rural land, and reservoirs engulfed still another 300,000 acres annually

Together, they gathered up more than a million acres each year that may never again be used for agriculture

Another 2 million acres on the average have gone out of rural land annually since 1959 into what are considered "reversible" uses for recreation and wildlife areas

The average American may begin to feel he's in the path of a concrete flow from some urban volcano Will there be any land left for agriculture?

Natural resources experts in ERS, in a comprehensive land and water study, firmly spell out that we're not in a bind for agricultural land, nor are we expected to be by the year 2000 Of the Nation's more than 2 billion acres, agricultural uses continue to be the dominant use of the land and are still expected to account for more than half the land area in 2000

Looking at the national picture permits one to gloss over some serious land use problems. Many people feel real concern about the loss of good cropland to cities, or for roads Strip mining lays waste to large areas Drainage of wetland destroys wildlife habitat Just how critical is the supply of land for all the uses we make of it?

Productivity upswing. Actually, we need less land than ever for food and fiber because of greatly increased production per acre The amount of cropland used decreased by more than a tenth from 1950 to 1970 as production per acre increased by half, outpacing population's increase of a third

Overall, the way land is used in the U S has remained virtually unchanged since 1950 Cropland takes about a fifth of the land, grassland pasture and range about a fourth, forest land about a third, and wasteland an eighth.

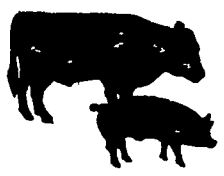
Urban areas double. Although urban areas claim twice as much land as they did in 1950, they still occupy only 1½ percent of total land area Depite expanded highway and airport facilities, land used for transportation still takes only 1 percent of the land Many new roads were built on existing rights of way and some roads have been abandoned

A significant change since 1950 has been the 20-million acre increase in land used for recreation and wildlife areas, now occupying 4 percent of our land Much of this increase was in Alaska For the most part, this increase in recreation and wildlife lands resulted from a change in classification, and not in land cover.

The proportion of land in various major uses is different for the 48 contiguous States than for the entire U S Across the 48 States there's been no appreciable overall change in land use in the past 20 years—cropland still totals a fourth of the land, forest land, a third, grassland pasture and range, a third, and wasteland, 3 percent. Urban land has doubled, amounting to nearly 2 percent of total land area, and transportation land remains less than 1½ percent of total acreage.

The predominant use of land varies greatly. In the Corn Belt and Northern Plains, more than half of the land is cropland. In the Southern Plains and Mountain States, pasture and rangeland predominate. In the Northeast, forest land is the major use of the land, as it is in the Appalachian, Southeast, and Delta States and

(Continued On Page 25)



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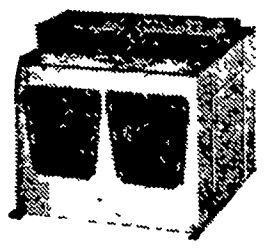

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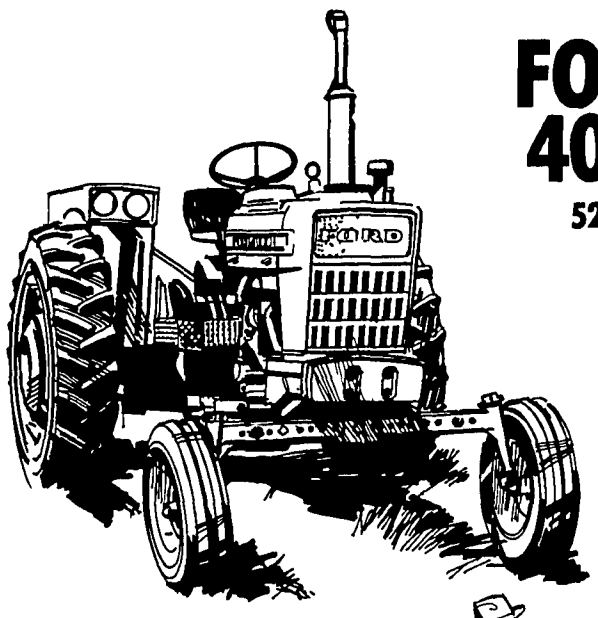

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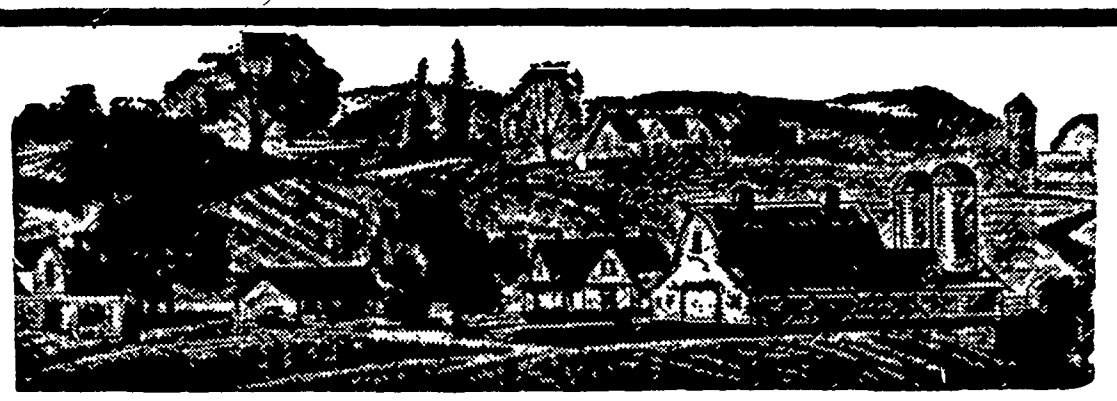

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Is the U.S.?

(Continued From Page 24)

the Pacific Coast north of San Francisco.

Biggest land user. The more than 1 billion acres - half the Nation's land - that is in farms is used mostly for crops and livestock. Farmers use an additional 300 million acres of nonfarm land for grazing. In total, agricultural production takes up 57 percent of the U.S. land area.

Another third of the Nation is in forest land, including some used for grazing.

Land used for crops, pasture, and forests total 1,811 million acres - 80 percent of the total U.S. land area of 2,264 million acres.

Despite the stability of land use proportions, there have been significant shifts and changes within land use categories in the past 20 years.

More idle cropland. Although cropland continues to take a quarter of the 48 States as it did in 1950, acreage actually used for crops has been decreasing at an average of 2 million acres a year. Idle cropland, meanwhile, has increased about a million acres a year. Thus the net decrease is about a million acres a year. The increase in idle cropland, in compliance with Federal supply management programs, resulted from a 50-percent increase in cropland productivity since 1950. This great productivity increase stems from more efficient farm organization, improved machinery, increased use of agricultural chemicals such as fertilizers and pesticides, additives to livestock rations, improved crop and livestock species and management, more irrigation, and regional shifts in production.

While total cropland has been declining a little each year, the trend by region is varied - some areas actually have an uptrend in cropland while others show significant abandonment.

New cropland has come almost entirely from a few specific areas: Flordia, where land was reclaimed through drainage and irrigation projects . . . the Delta States, where land was reclaimed through clearing and drainage . . . the Texas High Plains, California, and Washington, where irrigation was expanded . . . northern Montana, where improved dryland farming techniques were undertaken . . . and the Corn Belt through various farm-oriented techniques such as drainage, clearing, contouring, and leveling.

Cropland was abandoned on a large scale in States south and east of the Corn Belt except the Delta and southern Florida.

East of the Mississippi, land was abandoned because of low soil fertility and terrain not adaptable to efficient use of modern machinery. Many fields were small, rough, and isolated.

Less pasture and range. There's been a 13-percent decrease over the past 2 decades in the land on which livestock graze. Much of this land was woodland and low in productivity for grazing.

Altogether, pasture and range land occupy 39 percent of the land in the 48 States. Total acreage of grassland pasture and range has remained virtually unchanged since 1950 in contrast to woodland grazed.

Forest land. Total land in forest, at 754 million acres, has accounted for a third of the land area in the U.S. for many years. About a sixth of this land is in Alaska, where very little is harvested for wood products.

Of the 633 million acres in the 48 States, almost 80 percent is commercially productive.

About two-thirds of the total forest land and three-fourths of the productive forest land lies east of the Plains States. Practically all of this eastern forest land is classed as producing 20 or more cubic feet of useful wood growth per acre per year.

The greater share of current net wood growth is in the East, where growth exceeds harvest and losses by a sizable margin - despite the increased harvest for pulp and plywood. However, only a third of the tree volume is softwood, while the harvest is 63 percent softwood.

Nonagricultural land. Of the 20 percent of the Nation that is not cropland, grassland pasture and range, or forest, two-thirds is essentially wasteland. This includes deserts, swamps, bare rock, tundra - land that would have low value generally for agriculture or any other purpose except mineral extraction.

What's left is 178 million acres, or about 8 percent of total land area. This is the land with which the vast majority of Americans are most familiar. A third of it is urban or transportation land. Two-thirds of it is mostly parks, wildlife areas, and public facilities such as military proving grounds.

NOW FOR A LOOK AHEAD. Analyzing trends in population, production, and land use, and projecting changes to the year 2000, ERS concludes agriculture will have no difficulty meeting the country's needs for food and fiber (excluding forestry products).

Total U.S. population is projected at 307.8 million for the year 2000, 50 percent over 1970 and more than double the popoulation in 1950. Total real personal income is projected at $2,551 billion - up from $689 billion in 1970, and real per capita personal income, $8,289 - up from $3,388 in 1970.

Under these assumptions, the domestic use of farm products is expected to rise 55 percent in the next 30 years, allowing for the projected population increase plus a small gain in per capita food consumption.

By 2000. With land development following recent trends, ERS projects that by the year 2000 there will be a 3-percent decrease in land in farms.

Of the nearly 34 million acres going out of farming, 22 million would be for urban expansion, including highways and airports. This would have an insignificant effect on land available for agricultural production nationally, but could have a major impact around the current growth centers.

Another 7 million acres are projected to go from agricultural uses to recreation and wildlife areas. The increase would mean some reduction in farmland where land is acquired solely for recreation. But where recreation is introduced as a multiple use of land, a decrease in the agricultural land base needn't necessarily follow.

The remaining 5 million acres projected to leave agricultural land in farms includes land for public facilities such as national defense, second home communities, and water control reservoirs, and for such other uses as strip mining. Although the projected land area for surface mining won't adversely affect agriculture nationally, it could have significant impact in local areas and on the water supply.

Energy crisis. In some areas, agriculture may experience adverse effects from the emerging energy crisis due to the development of coal and oil shale resources

Nationwide, the projected 34 million acres going out of land in farms over the next 30 years won't have much effect on production While there is some shifting between uses, the net change amounts to 1½ million fewer acres of cropland, 13 million fewer acres of forest and woodland, and 19½ million fewer acres of pasture, range, and farmstead. Altogether, it's a little over 3 percent of the more than 1 billion acres of land in farms in 1969.

Great impact. But by region, it's apparent that there will be great impact in some areas, particularly the Northeast. In some parts, little agricultural land will remain.

Of the nearly 210 million acres in farms in the Northeast in 1969, 7 percent - nearly 16 million acres - are expected to shift to nonagricultural use by the year 200. Cropland will decrease from nearly 159 million acres to 155 million; forest and woodland will decrease 6 million acres to 24½ million, and pasture, range, and other agricultural land will be reduced by almost 6 million acres, to 23 million

Southeast shifts. The Southeast also shows considerable decrease - a net of nearly 9 million acres from the nearly 151 million acres in farms in 1969. However, cropland acreage is projected to increase by 4½ million acres, with additional clearing of forest land and draining of wetlands. Forest and woodland acreage is projected to decrease by nearly 9 million acres, and pasture, range, and other agricultural land, by nearly 5 million acres.

However, in the Central and Western States, agricultural land is projected to be reduced by only about 2 percent - or about 6½ million acres in each region - compared to the 6-and 7-percent decreases in the Southeast and Northeast

By 2000, some 222 million acres out of the Nation's total acreage of more than 2 billion - or about a tenth of the land - is projected to be in nonagricultural use Most of the additional land would be for urban and other built-up areas.

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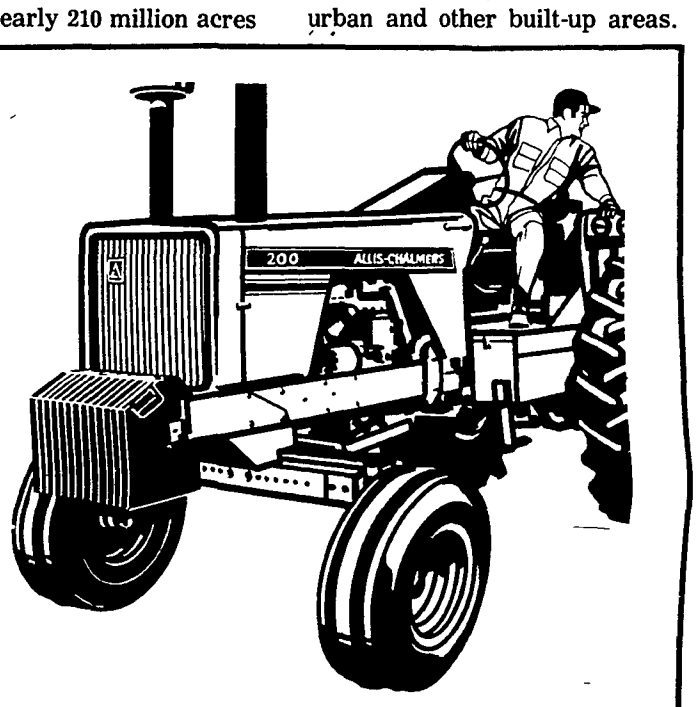

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Weaver Names Seitz Controller

Delbert L. Seitz, 578 East Valley Dr., New Holland has been named financial manager and corporate controller at Victor F. Weaver Inc. New Holland.

Seitz, a native of Virginia, holds a B.S. degree in business administration from Madison College, and a M.S. degree in business administration with a major in accounting and economics from Case Western Reserve University.

Before joining Weaver he held the position of Financial Planning - Factory and Cost Accounting Manager with the Westinghouse Electric Corporation in Verona, Virginia. He has also held positions as a chief accountant with a Virginia egg processing firm, and for several years was an instructor of business at Eastern Mennonite College.

At Weaver, Seitz will direct the operations of the entire Weaver financial division including the accounting and data processing departments.

Stud Study Shows Studs Cut Accidents

Snow tires with studs decrease accidents, according to an independent survey taken by police departments in suburban New Jersey communities.

In the period from Dec. 1, 1971 to April 1, 1972 more than 90 per cent of all cars involved in accidents were not equipped with studded snow tires. The survey was conducted in areas where at least 50 per cent of the motorists used studded tires.

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Public Sales Register

MON. JAN. 1- Feeder Pig Sale of 600 Head, East Earl Twp., Lancaster Co., Pa. Sale No. 1 at North end of Goodville at 1:00 P.M. 240 Head of York, Hampshire and Duroc Feeder Pigs by Paul M. Zeiset. Sale No. 2 at 2:00 P.M. one mile North of Goodville, 360 Head of York, Hampshire and Duroc Feeder Pigs by John J. Zeiset. Elton Horning, Auctioneer.

SAT. DEC. 30- 10 A.M. Public Sale of Farm Equipment located 2 miles off Rt. 222 At Adamstown along Rt. 568 in Brecknock Twp., Berks County, Pa. Terms by Marvin K. Glase; LeRoy S. Horst, Auctioneer.

WED. JAN. 3- 12 Noon Public Sale of Mules and Draft and Driving Horses to be held at his new place of business, 2 miles East of Intercourse, at intersection of Route 340 and New Holland Road, 4 miles South of New Holland. Sale by Paul Z. Martin, Blue Ball, Pa.; Martin Auctioneers.

THURS. JAN. 4- Noon John & Helen Farrington Complete Dispersal at the farm. Go north from Lititz on Rte.501 to Rte. 322, turn west, then 1st road left, go to stop sign, turn right, 1st farm. Directly north of Lancaster, Pa. John and Helen Farrington, owners, Lititz R.D. No. 2, R. Austin Backus, Inc. Sale Mgrs. and Auctioneers, Mexico, N.Y.

FRI. JAN. 5 - David H. Good Consignment Sale located ½ mile North of Rt. 23 on Maple Avenue in Leola. Watch for sale sign. Farm Implements, Horse Drawn Implements, new tools, etc. Frank and Paul Snyder and Robert Martin, Auctioneers.

FRI. JAN. 5- 10:30 A.M. Hammondale Acres Holstein Milking Herd Dispersal at the farm located three miles North of Chambersburg, Pa. one mile south of Letterkenny Army Depot, Gate 1, between Cheesetown and Salem Church. Terms by Gerald T. and Mabel Hammond, Chambersburg RD 3, Pa. Owners, Ralph W. Horst, Auctioneer.

SAT. JAN. 6- 1:30 P.M. Feeder Pig Sale located 2½ miles South of Bethel from US 22 and 6 miles North of Myerstown, Pa. along US 501. Sale by Norman M. Martin, RD 1, Myerstown, Pa.

WED. JAN. 10- 9 A.M. Paul Z. Martin's First Consignment Farm Equipment Sale for 1973 to be held at his new place of business, 2 miles East of Intercourse, at intersection of Route 340 and New Holland Road, 4 miles South of New Holland. Sale by Paul Z. Martin, Blue Ball, Pa.; Martin Auctioneers and Associates, R. W. Horst and Clyde Wolgemuth.

SAT. JAN. 13- 1:30 Public Sale of 200 Feeder Pigs by Paul M. Zimmerman, Myerstown RD2, located 1 mile south of Richland. John E. and Paul E. Martin, Auctioneers.

SAT. JAN. 13- Public Sale of farm equpment, shop tools and household goods located 1 mile East of Hinkletown off Rt. 322 Lancaster Co., Pa. Sale by Phares H. Zimmerman; LeRoy S. Horst and Paul W. Horst, Auctioneers.

(Continued On Page 27)

Buy Good Seed

Extension agronomists at The Pennsylvania State University urge farmers and forage producers to select varieties tested and proven superior in Pennsylvania and then buy high-quality seed of those varieties.

HAMMONDALE ACRES

HOLSTEIN MILKING HERD DISPERSAL

at the farm located three miles North of Chambersburg, Pa., one mile south of Letterkenny Army Depot, Gate 1, between Cheesetown and Salem Church on

FRIDAY, JANUARY 5, 1973

Sale at 10:30 A.M.

80 REGISTERED & GRADE HOLSTEINS

Certified; Accredited; Most Vacc. About half the herd is registered. Selling will be 50 cows and first calf heifers in milk, majority of cows are fresh or close, others in various stage of lactation, 15 due in Dec. All are young with most in first, second and third lactations. 30 springing first calf heifers, many close, balance due in winter or early spring.

Sires include Penstate Ivanhoe Star, Performer, Tidy Gent, Klingdale Ivanhoe Keypin, Apollo, Star Man, Kingpin, Milk and Honey Ivanhoe, Hector, Forty Niner, Ivanhoe Jack, Skokie Celebrity, etc., Bred animals carry mostly ABC service.

If you need cows this is a good working herd of nicely uddered cows to select from. Border collie pup sells.

MISCELLANEOUS ITEMS

Portable steel hay raks for 150 cows, water troughs, large electric heater, 3 point scraper, 2 sets tractor chains, new aluminum shovels, log chains, 10 good milk cans, several good office chairs, desk, tools and many other items.

Write for folder on cattle to Armour and Horst, Marion, Pa. 17235

Terms, Cash; Lunch Served; Sale inside.

GERALD T. AND MABEL HAMMOND
Phone (717) 263-4227, Chambg., Pa. R. 3
OWNERS

Ralph W. Horst Auctioneer
Gossert and Carty Clerks
Fred M. Naugle Pedigrees

FEEDER PIG SALE

SATURDAY, JANUARY 6, 1973

2½ miles South of Bethel from US 22 and 6 miles North of Myerstown, Pa. along US 501.

300 To 350 — 40 TO 60 LB.
CHOICE FEEDER PIGS HAMPSHIRE, DUROC AND YORK CROSS

All pigs are vaccinated for Erysipelas. Castrated young. Wormed, Sprayed for Mange and Lice.

All pigs were raised on this farm. No outside pigs will sell on this sale. Also pigs will not have to be moved the day of Sale.

These are some of the finer quality feeder pigs in the East.

Sale at 1:30 P.M.

NORMAN M. MARTIN
RD1, Myerstown, Pa.

JOHN & HELEN FARRINGTON

COMPLETE DISPERSAL

THURSDAY, JANUARY 4

LITITZ, PA.

At the farm. Go north from Lititz on Rte. 501 to Rte. 322, turn west, then 1st road left, go to stop sign, turn right, 1st farm. Directly north of Lancaster, Pa.

70 REGISTERED HOLSTEINS

Bang's Certified, T.B. Accred., All tests up to date. Exam for Preg. & Mastitis.

DHIR HERD AVERAGE: 1972 31 Cows 286d 17,944 M. 3.8 percent 675 FAT!!

DAUGHTERS OF THESE FAMOUS SIRES SELL!!

5 by "Kingpin" - 3 by "Admiral" - 4 by Galaxy - 3 by "Marquis" 5 by Astronaut Apollo - Pres. King - Admiral Imperial Chief and others.

THESE HIGH RECORD COWS ALL SELL!!

1 with 907 fat, 3 yrs.
2 with 835 f, 4 yrs., 805 fat, 3 yrs.
4 from 704 to 789 fat as 3 and 4 yr. olds.
9 from 618 to 673 fat, mostly as 3 yr. olds.
5 from 552 to 599 fat, mostly as 2 yr. olds.
2 with 483 and 406 fat at 2 yrs.
Records to 24,322 of milk.
This is a very young herd just in their prime.

THE PEDIGREES ARE VERY DEEP WITH TOP RECORDS ALL THE WAY!!

- A "Kingpin" with 805 f., 21,590 M. at 3 yrs. Her dam with 725 f. by Admiral, next dam with 737 fat, next dam with 801 fat. A full pedigree and bred to Pawnee Farm Arlinda Chief.

- There are others with top pedigrees and the heifers from these cow families are sensational.

MAKE YOUR PLANS NOW TO ATTEND AND BUY FROM THIS GOOD BREEDING HERD!!

Sale starts Noon Lunch Available Catalogs Heated Tent

CREDIT AVAILABLE BY CONTACTING CHARLES C. MYERS, LANCASTER, PA. AHEAD OF SALE.
Phone 717-569-2106

R. AUSTIN BACKUS INC.
Sale Mgrs. & Auctioneers
Mexico, N.Y.

PENNA. HOL. ASSOC.
839 Benner Pike
State College, Pa.

JOHN & HELEN FARRINGTON
Owners,
Lititz, Pa. RD2

Public Sales Register

FOR COMPLETE SERVICE CALL
JOHN E. MARTIN
R.D. 1, Durlach Road, Ephrata
733-3511
or
PAUL E. MARTIN
Stevens R.D. 1, Box 561
733-3305
LICENSED AUCTIONEERS
No Sale Too Small or Large
Tents Available

(Continued From Page 26)

TUES. JAN. 16- 12:30 P.M. Milking Herd Dispersal of 55 Registered and Grade Cattle located on the farm along Route 897 North of Schaefferstown in Lebanon County. Conditions by Landis and Mary Tice; Harry H. Bachman, auctioneer.

SAT. JAN. 20-11 A.M. Absolute Auction C-Merriken Fertilizer, Inc., Chestertown, Md. Harry Rudnick & Sons, Inc., Galena, Md., Sale Managers and Auctioneers.

THURS. JAN. 25- Public Sale of Dairy Cattle and Farm Equipment located along Pleasant Valley Road between Ephrata and Farmersville, from Ephrata go East on 322, turn South on Pleasant Valley Road, ½ mile to farm. Sale by Marvin L. Brubaker. John E. and Paul E. Martin, Auctioneers.

FRI. JAN. 26- 9 A.M. Complete Dispersal of Equipment, Dairy and Horsepower, located north of the Fairmount and Tayloria Road, 4 mile south of Kirkwood, 10 mile southeast of Quarryville, Little Britain Township. Terms by Stephen K. Smocker; Kreider and Diller Auctioneers.

SAT. JAN. 27- Public Sale of Farm Equipment, livestock and household goods located 1 block south of Terre Hill along Rte. 897 next to Terre Hill Silo Company in East Earl Twp., Lancaster County, Pa. Sale by Rufus Nolt; LeRoy S. Horst and Nevin Martin, Auctioneers.

SAT. JAN. 27- 9 A.M. Sharp Large Farm Machinery Dispersal located approx. 2½ miles southwest of Stewartstown, Pa., in York Co. (Take Interstate 83 to exit 1, then east on Rt. 851 to Stewartstown and follow signs to sale). Sale by Mr. & Mrs. Quention McCleary, Stewartstown, Pa. RD No. 2; Robert L. Sechrist, Auctioneer.

THURS. FEB. 1- Public Sale of farm equipment and household goods located 1 mile East of Terre Hill off Rt. 625 along side of Union Grove Elementary School in East Earl Twp., Lancaster Co., Pa. Sale by Reuben Zimmerman; LeRoy S. Horst, Auctioneer.

FRI. FEB. 2- 9:30 A.M. All Day Consignment Sale by David H. Good located on North Maple Avenue, Leola, ½ mile North of Route 23, watch for sale sign. Frank and Paul Snyder, Auctioneers.

SAT. FEB. 3- Public Sale of Farm Equipment, Dairy Cattle and milking equipment located 2 miles North of Schaefferstown off Rte. 501. Sale by Mark Horning. John E. and Paul E. Martin, Auctioneers.

SAT. FEB. 10- Public Sale of Farm Equipment, some cattle, some household goods located between Ephrata and Rothsville along Rothsville Road. Sale by Jonas M. Reiff. John E. and Paul E. Martin, Auctioneers.

WED. FEB. 14- Public sale of Farm Equipment, Heifers, and Pickup Truck located approximately 4 miles Northwest of Myerstown, north on Rte. 645, turn West at Burkholders Butcher Shop and follow sale arrows. Sale by Paul Z. Zimmerman. John E. and Paul E. Martin, Auctioneers.

WED. FEB. 28- Public Sale of Farm Equipment and Complete Dairy Herd Dispersal located between Schaefferstown and Cornwall along Rt. 419 at Buffalo Springs next to Keller Bros. Sale by Elmer M. Martin. John E. and Paul E. Martin, Auctioneers.

SAT. MARCH 3- Public Sale of Farm Equipment located between Ephrata and Farmersville at Metzler Road, next to Metzler's Mennonite Church. Sale by Clayton L. Oberholtzer. John E. and Paul E. Martin, Auctioneers.

TUES. MAR. 13- Public Sale of Farm Equipment and Household goods midway between Blue Ball and Honey Brook, ½ mile north of 322 at Beartown. Sale by George Weaver; Martin Auctioneers.

THURS. APRIL 5- Alfred R. Brandt Arbandale Farms Complete Dispersal of Registered Holstein Herd, RD 2, Lebanon, Pa., 2 miles North of Lebanon and Five miles South of Fredericksburg on Route 343. Harris Wilcox, Bergen, N. Y. Sales Mgr. and Auctioneer.

Complete Dispersal
EQUIPMENT, DAIRY AND HORSEPOWER

Location: North of the Fairmount and Tayloria Road, 4 miles South of Kirkwood, 10 miles Southeast of Quarryville, Little Britain Township.

FRIDAY, JANUARY 26, 1973
9:00 A.M.

61 head of Holstein grade dairy cattle.
37 milk cows, 6 fresh in last 8 weeks

balance in all stages of lactation.
4 bred heifers, 1 close, 9 heifers breeding age
11 heifers under 1 year of age
health charts sale day

Equipment

Allis Chalmers D19 diesel 75 belt horsepower, Case 18 in. threshing machine, Papec 19 in. silage cutter with pipe and parts, Lancaster 6 way spreader, 1 flex elbow, Heavy Int. motor drive cornbinder with loader, Int. ground driven with carrier, John Deere 14T baler, J.D. 5 ft. mower, 2 J.D. 7 ft. mowers, 1 motor driven, 1 ground driven, J.D. side rake, J.D. disc harrow, J.D. spring harrow, J.D. grain binder, (1 for parts), Oliver 14 in. Radex plow, Oliver #84 left riding plow, 106 Wizard walking plow.

Lister 12 horse diesel

2 New Idea horse manure spreaders, New Idea 32 ft. elevator (real good), Oliver 16 disc grain drill, Eazy-Flo fertilizer spreader, gravity bin on wagon, 1 Grove wagon with 16 ft. flatbeds, 2 wooden gears with flatbeds, Cultipacker, 4 Int. 2 horse cultivators, spike harrow, hay tedder, New Idea tobacco planter, 2 presses, shears, spears, Case cornplanter, dump rake, spring wagon, spray boom, bob sled, 6 ft. scraper blade on wheels, 2 2-wheel carts, 900 gal. water tank, Papec hammermill, feed mixer.

Teams

1 pair Mollie mules, smooth mouth large black and white nose. 1 pr. Mollie mules coal black smooth mouth, 1 pr. mules 9 yrs. old, 2 white 8 yr. old horses, 1 roan horse 9 yrs. old, 1 sorrel mare 9 yrs. old.

9 sets of heavy work harness, 2 brickment work harness, 1 yankee harness, (bridles, checklines, collars, saddles good shape).

Single, double and triple trees, 5 & 7 horse hitches, 2-4 horse hitch steel.

Milk Equipment

1 18-can Haverly milk cooler with compressor (like new), 1 10-can Haverly cooler, Conde #600 milker with 4 units, Stainless steel double wash tubs, strainer (SS), 30 gal. glass lined hot water heater, 45 milk cans, SS milk separator, Coleman kerosene barn lantern.

2 Silage carts, 1 feed cart, 1 large ensilage cart with webb, Frigidaire compressor, air clippers with tank on wheels, concrete mixer, 2 wheel barrows wood and steel, 100 ft. 7 in. nylon belt, 2 other belts, 12 volt fencer with steel stakes, anvil, 18 in. chain saw, 1 acetelene torch on cart, 2 clover seed sowers, 1 seed cleaner, 2 horse scoop, 50 gal. drums, 200 ft. litter carrier track with switch, shovels, pick, brushes, forks, welding table, vise, shop tools of all kinds, iron rack and iron, 1 flexible shaft, drill press and bits, other articles not mentioned.

Household Goods

Coleman cooler, Roper gas stove, extension table with 1 board, chest of drawers, benches, plank bottom chairs, dated qt. jars, old books, old bed spread, rope bed, old cradle, book case, 1 old wooden ironing board, 1 3- and 1 4-gallon crocks, 15 sets of shutters, old lights and shades, 4 milk cans.

Terms by
STEPHEN K. SMOCKER

KREIDER & DILLER, AUCTS.

Lunch by the Homemakers, lots of goodies.

CONSIGNMENT SALE
FRIDAY, JAN. 5, 1973
9:30 A.M.

Location ½ mile of Route 23 on Maple Ave. in Leola, Lancaster Co., Pa. Watch for Sale sign.

International TD9 crawler with hydraulic and PTO, like new; 560 International Diesel with fast hitch; W400 Diesel; Ford Jubilee; 8N Ford; Farmall H; more by day of Sale; New Holland No. 352 Grinder and Mixer; two years old; New Idea stalk shredder; New Idea hay conditioner, late model like new; McDr. corn binder PTO long carrier; New Idea tobacco planter; 14A manure spreader, like new, Horse and Tractor spreaders; New and Used wagons, rubber and steel; Fertilizer drill, new; Oliver 2 bottom 3P hook-up cushion trip; John Deere 3 bottom 16" trip bottom, used 2 yrs.; 9 ft. sprocket cultipacker; 24 John Deere KBA disc; Oliver 2 bottom 12" trailer plow; 10 x 30 wood stave silo; 100' Endless belt; New gates; Lot lumber; Plywood; Paneling; Doors; Nails; New tools

This is only partial listing.

BY DAVID H. GOOD
717-656-9024

Frank and Paul Snyder
Robert Martin Auctioneers
We sell on Commission

Next sale Friday, Feb. 2, 1973. All articles left from last years sales will be sold for storage.

MILKING HERD DISPERSAL

55 - Registered and Grade Cattle - 55

TUESDAY, JANUARY 16, 1973
12:30 P.M.

Located on the farm along Route 897 North of Schaefferstown in Lebanon County.

53 HOLSTEINS AND 2 JERSEYS

18 head of registered cattle and the balance are grades in various stages of production. 12 were fresh in Oct. and Nov., with 18 due in January and February, and balance throughout year.

1 — RED AND WHITE HOLSTEIN — 1

Records of some of the cattle to be sold:

No. 11	15521 milk	618 fat	4.0
No. 24	13396 milk	575 fat	4.3
No. 38	12334 milk	560 fat	4.4
No. 54	12490 milk	529 fat	4.2

Number of cattle bred back to Pennstate Ivanhoe Star.
Health charts available — Herd on Area Test
Catalogs and DHIA records available on sale day.

— Sale in heated tent —

Conditions by:
Landis and Mary Tice

Harry H. Bachman - Auctioneer
Claude Ebersole - Clerk
Arthur Kunkle - Pedigrees

Lunch by Fredericksburg Church of the Brethren

The Pennsylvania Swine Breeders Cooperative

All Breed Bred Gilt Sale

Scheduled for January 9-10 at the Farm Show Building Harrisburg, Penna.,

HAS BEEN CANCELLED

DUE TO THE HOG CHOLERA SITUATION. THIS INCLUDES ALL BREEDS.

For additional information contact the following bred secretaries:

Berkshire Swine
Dennis Grumbine, Sec.
RD 2, Myerstown, Pa. 17067
Chester White Swine
Charles E. Griest, Sec.
RD 1, Abbottstown, Pa. 17301
Duroc Swine
George Zimmerman, Sec.
RD 1, Grantville, Pa. 17028
Hampshire Swine
Dean Fetterolf, Sec.
Centre Hall, Pa. 16828
Landrace Swine
Jay Blatt, Sec.
RD 2, Annville, Pa. 17003
Poland China Swine
Roland W. Piper, Sec.
RD 3, Benton, Pa. 17814
Spotted Swine
Richard P. Sholley, Sec.
RD 2, Jonestown, Pa. 17038
Yorkshire Swine
Wellington Hiester, Sec.
RD 3, Fleetwood, Pa. 19522

NEW SPECIALS

1500 bu corn cribs - **$435.00**
5 ton wagons - **$145.00**
180 bu gravity bins - **$225.00**
Post hole diggers 12" augers **$175.00**
6' 3 pt blades - **$85.00**
5' 3 pt rotary mowers - **$295.00**
PLUS MUCH, MUCH, MORE

GRINDER MIXERS

2-International
Gehl
Farmhand
New Massey Ferguson
2-New Helix
Peco
J.D.

HOME OF QUALITY MACHINERY

CORNPICKERS

BACKHOES

(3) Case 530 CK Backhoe & loader
Int. 3444 Backhoe & loader
M.F. 302 Backhoe & loader
Ford 3400 Backhoe & loader
Farmall 300 Backhoe loader
Case 210 Backhoe loader
Case 420 Backhoe loader
J.D. 1010 Backhoe & loader
2-Case 580 CK backhoe & loader

WE HAVE ACRES AND ACRES OF *QUALITY* FARM MACHINERY OF EVERY MAKE, SIZE, AND DESCRIPTION

WENGER'S FARM MACHINERY, INC.

South Race Street, Myerstown, Pennsylvania — Phone 717-866-2138

FORD
5000 Diesel "new"
860 gas w-loader
3-600 series
541 high clearance
8N
860 gas

MASSEY FERGUSON
180 Diesel multipower
175 Diesel multipower
165 gas multipower
65 gas utility
Pony, plow, snow blade
1100 Diesel
1130 Diesel
65 gas High Arch

FARMALL
4156 Diesel
856 Diesel widefront
2-806 Diesels, cabs
706 gas, large tires
656 Diesel, brand new
2-606 Diesels, power steering
2-504 gas, trycycle or widefront
544, gas, utility (excellent)
2-200 w-fast hitch
560 Diesel, fast hitch
560 gas, fast hitch
2-460 gas, utility model
460 gas.
2-450 Diesels, power steering
400 gas, fast hitch
350 Diesel, fast hitch
Super MTA, excellent
2-Super M live hydraulics
2-M with N I corn picker (superpicker)
WD9 Diesel standard
3-140 w-or without cultivators
130 with or without mower
2-Cub w-attachments
5-H and BN w-cultivator
656 Diesel Hydro Farmall widefront
706 Diesel with 3 point
504 Diesel Utility
1206 Diesel
756 Diesel
444 Gas

TRACTORS

MISC.
M.M. G1000 Diesel
M M. G706 Diesel, 4 wheel drive, cab
3-D.B. 1200
2-D.B. 990

OLIVER
4-1855 Diesel (demo.)
1950T Diesel
2-1850 Diesel
1650 Diesel
1600 gas
1550 diesel
550 gas
880 gas
880 diesel
(5) 1655 Diesel (demo)

CASE
680 CK Diesel w-loader
1200 Diesel, 4 wheel drive 150 H.P
2-930 Diesel standard
530 Diesel, direct drive
530 gas, direct drive
Super 400 Diesel
930 CK Diesel

ALLIS CHALMERS
D19 Diesel 3 point
2-D19 Diesel snap coupler
D17 gas snap coupler
D15 gas II 3 point
D12 gas, 3 point, live P.T.O.
G, plow, cultivator
WD45 Diesel power steering
WD45 gas power steering
D17 Diesel snap coupler
D17 Diesel IV 3 point
190 XT Diesel
170 Diesel
170 Gas

JOHN DEERE
4520-2000 hours
5-4020 Diesels (one has 300 hours)
2-4010 Diesel, turbo
2510 gas trycycle
2020 Diesel utility
2-2010
820 Diesel
2-730 Diesel
730 gas
3-720 Diesel
620 gas
630 gas
520 gas
3-G, good power
(3) 3010 Gas
2520 Diesel
5020 Diesel
3020 Diesel
3020 Gas

MISC.

Loader for Int. TD 6 Crawler
New Backhoe Buckets **$125.00**
New Loader buckets **$195.00**
(1) New Dozer blade **$600.00**
(3) Schramm air compressors
J.D. 840 self loading pan
(2) Trenchers
One ton roller
Gallion Roller (5 ton)
(2) Diesel Road Graders
(6) Tag-a-long trailers both New and Used
Loader for J.D. 440 crawler
Loader for Int. 340 crawler
Dozer blade for Cat D2 crawler

TRUCKS

1967 Ford W1000, 318 Detroit
1958 Diamond Reo 10 wheeler dump
1970 Int. Transtar twin screw sleeper cab
1961 G.M.C. Tractor
1961 Ford with 24' rollback -
1968 G.M.C. T tag with Welder
1958 Chevy dump
1965 Chevy T tag stake
1966 International Cab over Chassis
(4) 1967 Ford 10 Wheel dumps
1970 Ford 1½ ton with cement mixer
1971 Ford Pickup
1972 Ford Pickup
Chevy Corvan
1963 Diamond T straight truck
1966 Ford small dump
1973 Chevy pickup

WE HAVE FREE CALENDARS

FORKLIFTS

Case 580
Int. 5614
Ford 600
3 pt. Forklift attach.

CRAWLERS

Int. TD6 dozer
Case 310 F Dozer
J.D. 450 Loader
(3) A.C. HD6G Loader
Int. T340 Loader
J.D. 440 Loader
Cat 955 K Loader
(2) Cat D4 Dozer
Case 750 loader w cab
(2) Case 310 loaders
Cat 933 F loader
J D 450 6 way dozer
J.D. 420 loader
Cat 955 (12A) loader
Cat 955 H Pedal Steer

RUBBER TIRED LOADERS

Hough payloader (small)
2-Melrose 600 Bobcat skid loader
1-Melrose 444 Bobcat skid loader
2-Case 1537 Bobcats skid loader (less than 500 hours)
Michigan 175 payloader w cab (diesel)
2-Case 1530 uniloaders
A C. TL 10 payloader w cab (gas)
Hough 50 payloader (gas)

MANURE SPREADERS

(4) New and Used Starline Tank Spreaders
2 - J.D. 33 P.T.O. drive
N.I. 165 Bushel P.T.O. drive
J.D. N. P.T.O. driven
J.D. H. ground drive
Badger P.T.O. driven
(5) Starline tank epreaders
New New Idea 146 Bushel

SNOWMOBILES MUST GO NOW MAKE OFFER

1972 Highlights

(Continued From Page 1)

May

FFA members from Solanco High School came out on top in a regional parlimentary procedure contest at Lehigh County Vo-Tech School. The win entitled them to compete on the state level.

Ten Lancaster County high school seniors each received $400 agriculture and home economics scholarships from the Farm and Home Foundation.

County DHIA supervisors got a boost in pay and benefits.

The largest single export sale of Pennsylvania dairy cattle ever held took place on Charles Myers' Black and White Holstein Farm on the Rohrerstown Road. Among the observers was Pennsylvania Secretary of Agriculture Jim McHale.

June

About 80 Lancaster County Young Farmers embarked on an alfalfa management study in the hopes of eventually developing more comprehensive guidelines for growing top quality alfalfa.

Donna Jean Book was named Lancaster County's Dairy Princess for 1972. She is the daughter of Mrs. and Mrs. Roy Book, Ronks R1.

Tropical storm Agnes brought wind, rain, flood and financial headaches to area farmers.

Fire destroyed Root's Country Market and Auction, East Petersburg.

July

Nelson Martin, East Earl R1, was elected president of the Pennsylvania Future Farmers of America during FFA Activities Week at Penn State. Also elected to state office was Joseph Lefever, Manheim R4.

Lancaster County's Agricultural Defense Committee met for the first time in nearly a decade to determine the extent of agricultural damage resulting from Agnes. They pegged the figure at $25 million.

Meat inspection in the state of Pennsylvania passed from the state department of agriculture to the USDA on July 17.

Figures released this month showed that Lancaster County again led the state in farm production for 1971.

Frank R. Burkhart, Lancaster, won his third straight level-land plowing contest at the Lancaster County Conservation Field Day and Plowing Contest. Harvey Sauder, New Holland, took top honors in the contour plowing event.

August

The Farm and Home Center Foundation's annual slave auction netted a total of $565. Some 25 young people put themselves up on the auction block, offering to do a day's work in exchange for a contribution to the Center's debt reduction drive.

The grand champion hog at this year's 10th annual Lancaster County FFA Market Hog Show and Sale was sold for $1.12 a pound to Penn Packing. Marlin Smoker, Stevens R1, and Richard Bollinger, Lititz R4, were co-owners of the hog.

Michael Martin, son of Mr. and Mrs. Robert E. Martin, New Holland R1, was named Lancaster County's 1972 Star Farmer.

The Food and Drug Administration announced a ban on DES as a feed additive.

Earl C. Stauffer, Ephrata, was named to receive the American Farmer Degree from the Future Farmers of America. This is the highest degree bestowed by the FFA.

Joy Ann Rothenberger, Oxford R1, was named Teen Farmerette by the International Flying Farmers convening in Philadelphia.

Stephen Horton, Masonic Homes, Elizabethtown, took grand champion honors at this year's Lancaster County 4-H Pig Roundup and Sale.

September

The Pennsylvania Southeast Region FFA Dairy Show at Harrisburg saw two grand champion cows from Lancaster. Donald Wenger, Manheim R2 took grand and reserve champion honors for Brown Swiss. Jess Balmer, Lititz R4, got the grand champion prize for Guernseys.

Robert W. Campbell, Narvon R2, won the FFA proficiency award for dairy production in the North Atlantic region.

The Lancaster Hilton was the scene of a two-day meeting of FFA leaders from Maryland, Delaware, New Jersey and Pennsylvania.

Farmers here and across the nation were suffering through an extended drought.

A Lancaster County dairy judging team was belatedly awared top place for their performance in the State 4-H Days competition at Penn State in August. The team originally named winner was disqualified.

Lancaster County's five farm shows attracted throngs of contestants and onlookers.

Hendrink Wentink, assistant to the president at Pennfield Corp., was elected president of the Northeastern Poultry Producers Council.

October

Wolgemuth Brothers, Inc., Mt. Joy, announced that they would fight an attempt to impose a sales tax on feed used in their contract operations for growing poultry.

USDA declared a national hog cholera emergency.

Hundreds of spectators and dozens of buyers attended a dispersal sale at the Robert H. Kauffman Penn Springs Farm in Elizabethtown. Auctioned off were 95 head at an average $845 each. A top price of $5000 was paid for a three-year-old cow.

November

Walter M. Dunlap, Jr., Lancaster, was elected president of the Pennsylvania Livestock and Allied Industries Association.

Assistant U.S. Secretary of Agriculture Richard E. Lyng spoke at the Chamber of Commerce agriculture-industry banquet. He said farm subsidies would gradually be phased out of the USDA program.

December

Hog Cholera was discovered in two Pennsylvania herds, one in Montgomery County and one in Cumberland County. A complete ban on hog movements within the state was instituted, then lifted

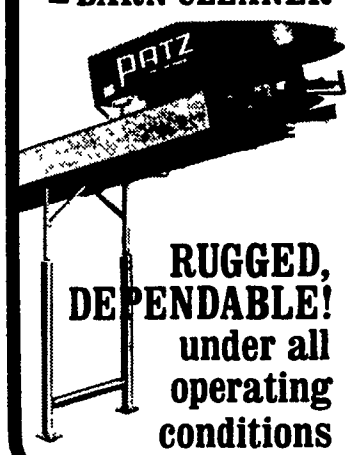
Congressman Ed Eshelman visited Lancaster County farms to discuss agricultural policies and problems

The price of soybean meal touched $200 a ton in some instances, causing all protein feed ingredients to move sharply upward. Many farmers and industrymen felt the country was approaching a crisis in livestock feed.

Sealtest Dairy announced that it had released all its independent milk producers and would be buying instead from the Eastern States and Interstate Milk Producers cooperatives.

The USDA announced in a surprize move that all farm conservation funds were being stopped, and FHA emergency loan funds were to cease soon after the first of the year.

the PATZ BARN CLEANER



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Dairy Equipment and Ammana Appliances

R.D. No. 1 (Iona)

Lebanon, Pa.

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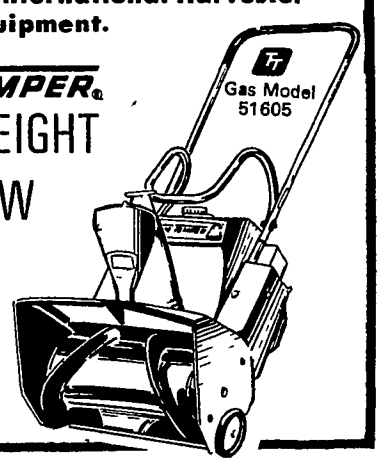

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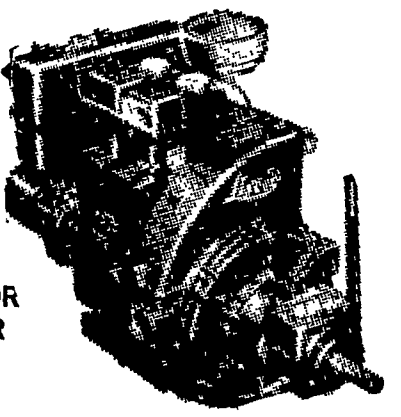

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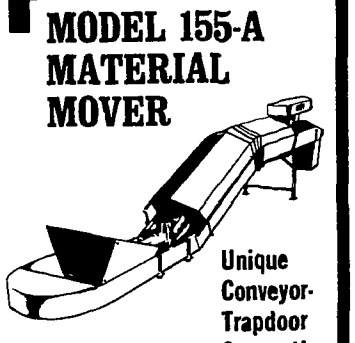

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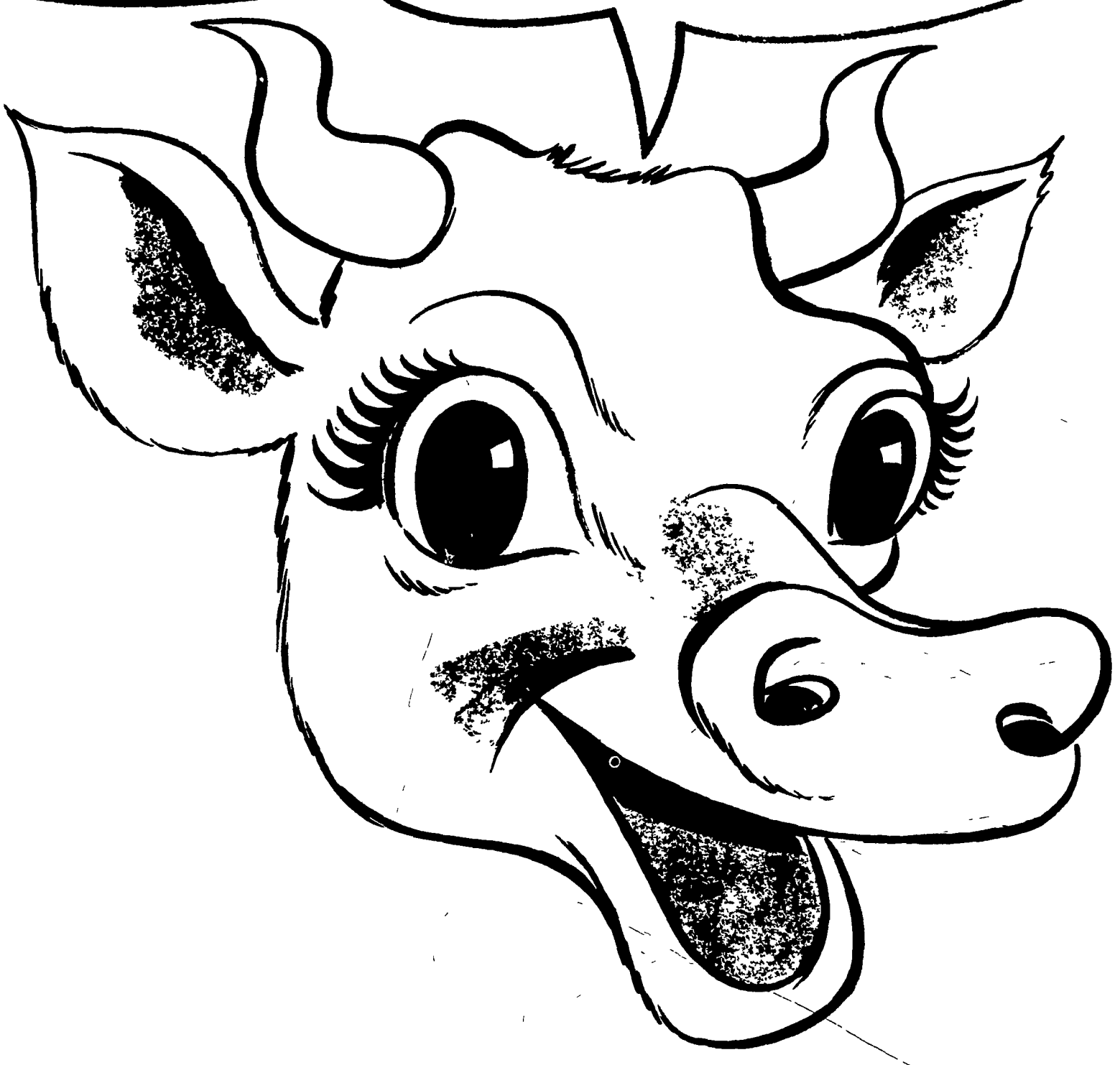

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